

NOAA Technical Report NWS 34



# **Mean Monthly, Seasonal, and Annual Pan Evaporation for the United States**

Washington, D.C.  
December 1982

**U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Weather Service**

NOAA TECHNICAL REPORTS

National Weather Service Series

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- WB 5 Climatological Probabilities of Precipitation for the Conterminous United States. Donald L. Jorgensen, Techniques Development Laboratory, December 1967, 60 p.
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- WB 10 Hemispheric Teleconnections of Mean Circulation Anomalies at 700 Millibars. James F. O'Connor, National Meteorological Center, February 1969, 103 p.
- WB 11 Monthly Mean 100-, 50-, 30-, and 10-Millibar Charts and Standard Deviation Maps, 1966-1967. Staff, Upper Air Branch, National Meteorological Center, April 1969, 124 p.
- WB 12 Weekly Synoptic Analyses, 5-, 2-, and 0.4-Millibar Surfaces for 1967. Staff, Upper Air Branch, National Meteorological Center, January 1970, 169 p.

NOAA Technical Reports

- NWS 13 The March-April 1969 Snowmelt Floods in the Red River of the North, Upper Mississippi, and Missouri Basins. Joseph L. H. Paulhus, Office of Hydrology, October 1970, 92 p. (COM-71-50269)
- NWS 14 Weekly Synoptic Analyses, 5-, 2-, and 0.4-Millibar Surfaces for 1968. Staff, Upper Air Branch, National Meteorological Center, May 1971, 169 p. (COM-71-50383)
- NWS 15 Some Climatological Characteristics of Hurricanes and Tropical Storms, Gulf and East Coasts of the United States. Francis P. Ho, Richard W. Schwerdt, and Hugo V. Goodyear, May 1975, 87 p. (COM-75-11088)

(Continued on inside back cover)



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Office of Hydrology  
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**U.S. DEPARTMENT OF COMMERCE**  
Malcolm Baldrige, Secretary  
**National Oceanic and Atmospheric Administration**  
John V. Byrne, Administrator  
**National Weather Service**  
Richard E. Hallgren, Acting Assistant Administrator

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MEAN MONTHLY, SEASONAL, AND ANNUAL  
PAN EVAPORATION FOR THE UNITED STATES

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INTRODUCTION

This publication is a compilation of monthly, seasonal, and annual averages of estimated pan evaporation based on observations from Class A pans and on meteorological measurements by the National Weather Service (NWS) and cooperating agencies. It replaces Technical Paper No. 13 (U.S. Weather Bureau, Hydrologic Branch, Division of Climatological and Hydrologic Services, 1950). These tabulations were generated from the augmentation of a smaller data set used to develop evaporation maps published in NOAA Technical Report NWS-33, Evaporation Atlas for the Contiguous 48 United States, (Farnsworth et al., 1982). This report and its companion report, the evaporation atlas, should facilitate the determination of monthly values of evaporation at most points in the country.

The data set used for the evaporation atlas included, at most, 15 years of data record. To obtain the tabulations contained in this report, the data set was enlarged to include the available period of record (through January 1981 for currently active stations). Therefore, while this report was produced at the same time as the evaporation atlas, there are some significant differences in the data used. The data sets used to produce the maps in the evaporation atlas were selected and, in some cases, adjusted to fit a common base period of 1956-70. For this report, the total period of record rather than a common time base was chosen for the record of observed pan evaporation. This avoids possible errors which might result from adjustments made to fit the common time base. Inclusion of the additional data periods of observed pan records required only tabulation from published records. However, the estimation of "pan" evaporation based on meteorological measurements requires many computations, and so only estimates for years for which the data were already prepared for computer processing (1956-70) for the atlas were included in this report. For the same reason, coefficients of variation of the monthly, seasonal, and annual values of the pan data were computed only for the 1956-70 base except for stations in the state of California which were available on magnetic tape for their full periods of record.

Evaporation means are included for only those stations that have at least 1 month with a period of record of 10 years or more prior to January 1981. Evaporation means for months with less than 5 years of record are omitted. Those means for months with between 5 and 10 years of record are shown to the nearest inch. This format should remind the user that these data cannot be treated with the same confidence as those means with 10 years or more of record which are shown to the nearest 0.01 inch. Actually, the latter should not be interpreted to an accuracy greater than 0.1 inches. However, the additional decimal place was retained to conform with published records.

Months with fewer than 20 observations were excluded from the analysis. This occurred mainly where observations were not taken on weekends, observers went on vacation, or temperatures were near or below freezing.

The data are presented in two tables. Table I lists averages based on observed Class A pan data, and table II lists average "pan" evaporation based on estimates of monthly evaporation derived from hydrometeorological measurements using a form of the Penman equation described by Kohler et al. (1955). Individual stations listed in the tables are ordered alphabetically within their appropriate states. The states are also listed alphabetically.

Table I data are generated primarily from data published in the series, Climatological Data of the United States (NOAA-EDIS). Details on site operation, including the name of the individual or agency operating the station, can be found in the annual summaries. Measurements obtained using non-standard pans, installations, or methods are difficult to compare with those obtained using the standard pans and, therefore, have more limited use. Only stations using standard Class A pans, with a standard installation, and assumed to be following standard procedures are included in table I. The standard Class A pans are unpainted, constructed of monel or galvanized metal, 47.5 inches in diameter, 10 inches deep, and mounted on a platform which raises the pan base a few inches above the surrounding ground. The installation of the pan and the measurement procedures are described in the NWS Observing Manual No. 2--Substation Observations (NOAA-NWS 1972). Approximate locations of the pans are shown in figures 1 and 2. Figure 1 shows those stations which observe only the evaporation from the pan while figure 2 shows stations measuring, in addition to evaporation, the temperature of the water in the pan and the total wind movement over the pan.

The values in table II are estimates based on hydrometeorological data for stations, most of which are published in the series Local Climatological Data (NOAA-EDIS). Details regarding individual stations are found in this publication, especially the issues which present annual summaries. As indicated previously, these data are averages of estimates of monthly Class A "pan" evaporation derived from hydrometeorological measurements. These measurements were taken at the stations of the NWS basic and synoptic network (NOAA-NWS 1979) which had at least 1 month with 10 years of record during the evaporation atlas base period, 1956-70. The locations of these stations are identified in figure 3. The observations required for the evaporation estimates were mean air temperature, mean dew point, the total wind movement 2 feet above the ground surface, and an estimate of incoming solar radiation. Daily wind movement was generally estimated from available wind speeds observed every six hours at the station anemometer height (often around 20 feet). This estimated wind movement was then adjusted, using a logarithmic relationship, to obtain an equivalent wind movement at 2 feet. Solar radiation was either measured directly (at those stations equipped with pyranometers), estimated from hours of sunshine (at stations equipped with sunshine recorders) (Hamon et al., 1954), or estimated from cloud cover (at the remainder of the stations) (Thompson, 1976).

The monthly mean estimated pan evaporation was computed for each month using eq. 1 of NOAA Technical Report NWS-33. A period-of-record average for each month of the year was formed by taking the average of all the values for a given month included in the period of record. The individual monthly sums were formed by multiplying the daily average by the number of days in the month. The data used to estimate each daily mean consisted of the mean daily air and dewpoint temperature and mean daily accumulations of solar radiation (sometimes estimated

from sky cover) and wind travel for the month. Determination of means in this way, using mean values of the input data rather than computing daily estimates of pan evaporation and then computing the average, was based on the experience of Kohler and others (Kohler et al., 1955) who stated that "experience has shown that only minor errors result when monthly evaporation (i.e., mean daily values for the month) is computed from monthly averages of the daily values of  $T_a$ ,  $T_d$ ,  $W_s$  and  $U_p$  (air temperature, dewpoint temperature, solar radiation, and daily pan wind travel)."

It should be noted that the annual means are computed as the sum of the individual monthly means. This causes some bias toward higher evaporation because the record is often not complete during months when temperatures are near or below freezing. For example, during a year when a spring month is colder than normal, observations are missed more often than usual because water in pans is frozen or the pan has to be taken out of service. In these situations, the data that are available for these months for computing an average represent intervals of milder temperatures and higher evaporation. When these months of partial record are summed into the annual or seasonal mean, they tend to bias the annual or seasonal value high. At stations located at high elevations, only the summer months are free from this problem. Our solution to this problem has been simply to note the number of years of record available for each month for each station and to caution users so that they may make subjective corrections appropriate at that location based on their familiarity with the climate.

All of the evaporation values in these tables represent estimates of expected evaporation occurring from a Class A pan. It has been found that evaporation from a shallow lake, wet soil, or other moist natural surfaces is roughly 70 percent of the evaporation from a Class A pan for the same meteorological conditions. The evaporation from shallow lakes and moist soils is generally classified by one of the following equivalent names: free water surface evaporation (FWS), lake evaporation ( $E_L$ ), or potential evapotranspiration (PE). An estimate of FWS which is more accurate than that given by multiplying the pan value by 0.70, is obtained by multiplying the pan amount by the appropriate coefficient from map 4 of the evaporation atlas described earlier. Still greater accuracy can be achieved when the pan at which the evaporation data were observed also has concurrent records of pan water temperature and pan wind movement. Then FWS evaporation can be computed by methods described by Kohler et al. (1955).

One purpose of this report is to present, in convenient form, monthly means of pan evaporation for those stations having sufficiently long records to establish stable normal values. An important use for these records is in extrapolating to locations where monthly estimates of evaporation are required but no measurements have been taken. Annual and seasonal (May through October) evaporation can be estimated from the maps in the evaporation atlas. The pan data in these tables can be converted to free water surface (FWS) evaporation using map 4 of the evaporation atlas. Determination of monthly values from the annual or seasonal values is done by (1) determining the ratio of the monthly to annual evaporation for an appropriate station having data in these tables, and (2) multiplying this ratio by the value obtained from the map. For an example, see appendix A.

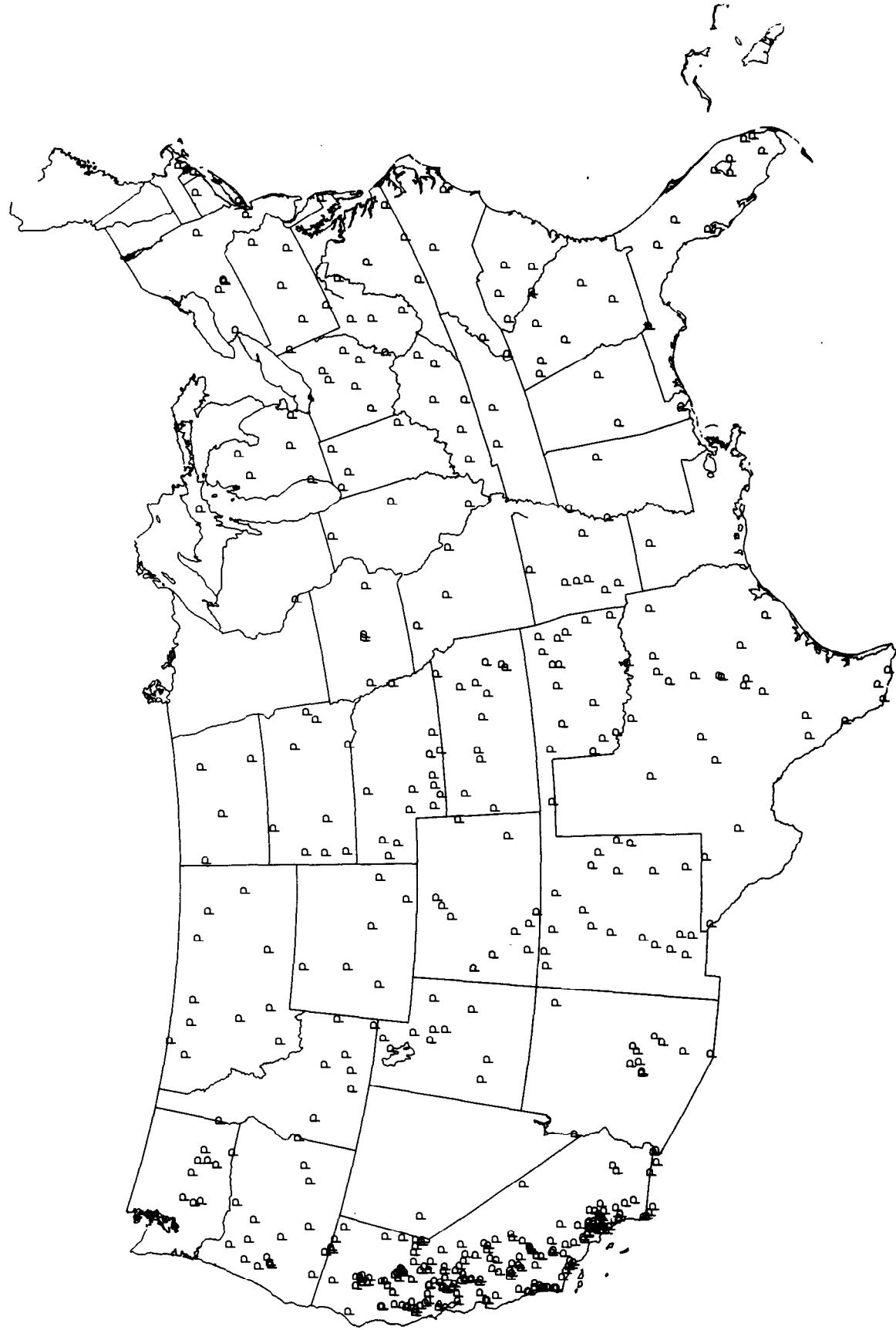


Figure 1. Distribution of Class A pan stations reporting observed evaporation only (water temperature not measured or measured for an insufficient long period of record).

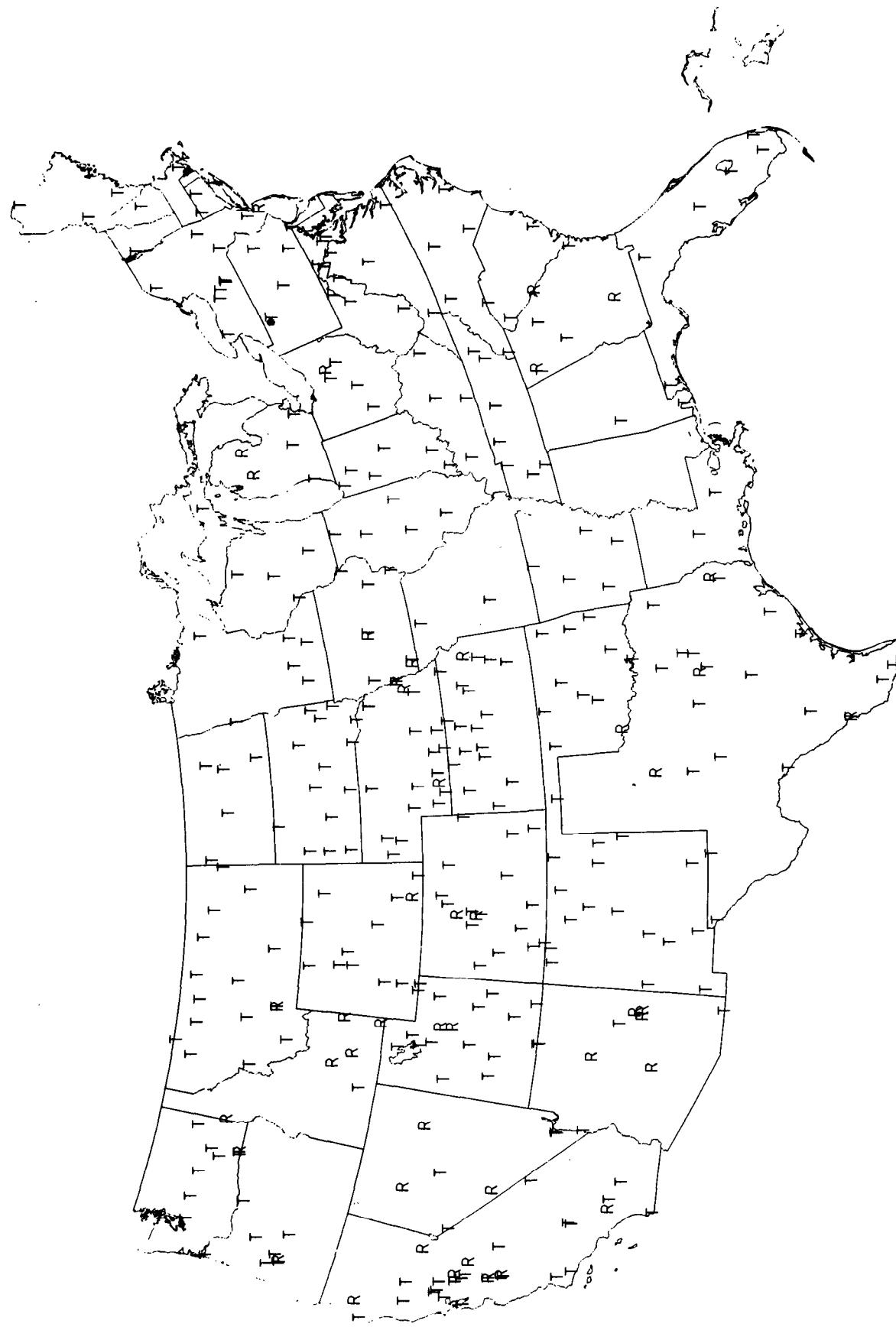


Figure 2. Distribution of Class A pan stations reporting observed evaporation and maximum and minimum water temperatures. Stations identified by an R were not equipped with sensors to record additional data until the latter part of the 1956-70 time base.

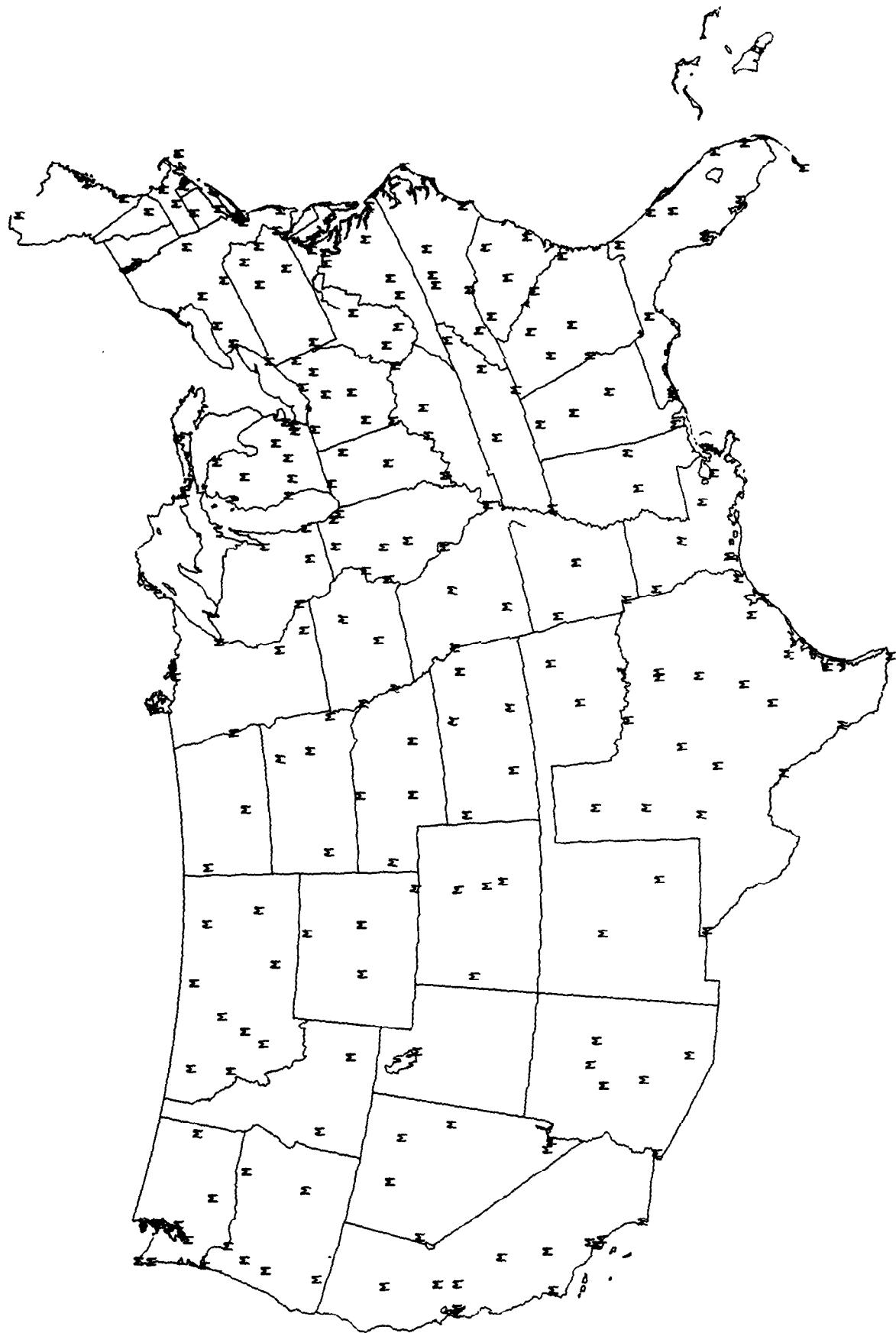


Figure 3. Distribution of weather stations measuring a form of air temperature, humidity, wind movement, and radiation, where evaporation can be estimated by the Penman equation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>ALABAMA</u>																			
Demopolis Lock and Dam 32° 31', 87° 50'	1	2245	2.39	3.02	4.54	5.58	6.50	7.06	7.01	6.67	5.16	4.10	2.73	2.21	36.50	20.47	-	56.97	8/56
		14	15	20	23	23	22	22	24	24	23	23	15	15	5	*****	*****		11/79
Fairhope 30° 32', 87° 55'	1	2813	1.97	2.45	3.88	5.03	6.28	6.46	6.05	5.60	4.56	3.79	2.36	1.74	32.74	17.43	-	50.17	8/34
Martin Dam 32° 40', 85° 55'	1	5140	1.90	2.43	4.06	5.04	6.21	6.38	6.28	6.21	4.96	4.01	2.53	2.09	34.05	18.05	-	52.10	2/51
		21	27	28	28	27	29	28	27	28	27	26	25	25	10	17	7	*****	8/79
<u>ALASKA</u>																			
Central 2 65° 34', 144° 49'	50	1466													-	-	13.42	-	7/63
																			8/78
Juneau WSO AP 58° 22', 134° 35'	50	4100													-	-	16	-	5/69
																			8/78
Matanuska Agr Exp Station 61° 34', 149° 16'	50	5733													-	-	18.27	-	8/29
																			8/78
McGrath WSO AP 62° 58', 155° 37'	50	5769													-	-	11.75	-	5/69
																			8/78
Palmer TAS 61° 36', 149° 07'	50	6870													-	-	19	-	4/69
																			9/78
University Exp Sta (College) 64° 51', 147° 52'	50	9641													-	-	14.17	-	5/29
																			8/78
<u>ARIZONA</u>																			
Bartlett Dam 33° 49', 111° 38'	2	0632	4.19	4.96	7.47	10.53	14.44	16.81	16.59	14.50	12.57	9.76	6.09	4.66	84.67	37.90	-	122.57	6/40
		38	39	39	39	39	39	40	40	40	40	40	40	40	39	39	39	5	5
		28	20	21	9	8	5	8	13	12	11	16	20	16	16	16	5	5	12/79

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record began Mo/Yr
<b>ARIZONA (continued)</b>																			
Davis Dam 2 35° 12', 114° 34'	2	2439	7.28	7.57	10.29	13.19	16.86	19.72	20.22	18.22	14.87	11.86	8.75	7.87	101.75	54.95	-	156.70	1/56
			21	18	20	21	22	22	21	20	21	21	20	20	20	20	20	20	6/77
Davis Dam 35° 11', 114° 34'	2	2440	5	6	9	11	14	16.68	14.43	14.62	11.80	8.93	7.45	5.73	80	44	-	124	7/48
			9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	6/61	
Douglas 31° 21', 109° 32'	2	2659				13	10.49	9.06	7.31	5.80	6							-	6/65
						7	13	12	14	12	6							10/76	
Fort Valley 35° 16', 111° 44'	2	3160					6.87	6.47	4.82	3.76								-	7/62
							11	13	13	11								9/70	
Havley Lake (Havley) 33° 59', 109° 45'	2	3926					8	8.64	6.72	5.65	4.82							-	38
							8	11	11	12	12							5/68	
							8	11	11	12	12							9/79	
Many Farms 36° 21', 109° 37'	2	5204	3	5.99	9.54	12.65	15.42	13.64	11.19	8.73	5.63	2.96	67.31	-	-	-	-	-	8/51
			6	10	11	12	14	17	19	18	17	16						3/73	
McNary 34° 04', 109° 51'	2	5412				8	8.36	7	6	5.01	4							-	5/68
						9	10	9	9	10	9							6/78	
Mesa Exp Station (Mesa) 33° 25', 111° 52'	2	5467	2.89	3.71	5.88	8.08	10.78	12.16	12.13	10.58	8.48	6.01	3.75	2.74	60.14	27.05	-	87.19	
			62	63	63	61	61	62	63	62	62	64	63					11/16	
Nogales 2 N 31° 21', 110° 56'	2	5924	3.78	4.70	7.39	9.62	11.91	14.03	10.68	8.42	8.27	7.14	4.67	3.78	60.45	33.94	-	94.39	
			20	21	17	14	9	7	6	11	12	11	12	12	22	22		12/79	
Page 36° 56', 111° 57'	2	6180				6	8.90	11.60	14.00	14.09	12.11	8.84	5.54	2.40	66.08	-	-	-	10/79
						7	19	20	21	22	21	21	21	21	21	21		2/64	
Roosevelt 1 WNW 33° 40', 111° 09'	2	7281	2.09	3.05	5.43	8.01	11.37	13.57	13.52	11.26	9.07	5.87	3.08	1.97	64.66	23.63	-	88.29	
			65	68	67	68	68	68	68	68	68	68	67	67	67	67		1/16	
			16	16	18	12	9	7	9	11	13	11	11	11	14	14		6/79	

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-- Oct ***	Nov-- Apr ***	Other Season ***	Annual ***	Record Begun Mo/Yr	Latest Data Mo/Yr
<b>ARIZONA (continued)</b>																			
San Carlos Reservoir 33° 10', 110° 31'	2	7480	2.31	3.49	5.87	8.72	11.75	14.12	13.46	11.59	9.65	6.63	3.63	2.34	6.720	26.36	-	93.56	7/48
Sierra Ancha 33° 48', 110° 58'	2	7876	2.30	2.80	4.54	6.75	9.22	10.95	10.41	8.83	7.92	5.97	3.50	2.39	53.30	22.28	-	75.58	2/36
Snowflake 15 W 34° 30', 110° 20'	2	8018					11	15	11	8.14	7.88			-	-	53	-	8/67	6/78
Steward Mountain 33° 34', 111° 32'	2	8214	3.56	4.67	6.95	10.06	12.99	14.29	14.49	13.15	10.76	8.15	5.57	3.17	73.83	32.98	-	106.81	3/61
Tempe, University of Arizona Citrus Exp Station 33° 23', 111° 58'	2	8499	1.60	2.92	4.95	7.23	9.64	11.01	11.22	9.83	7.78	5.18	2.54	1.48	54.66	20.72	-	75.38	9/53
Tucson, University of Arizona 32° 14', 110° 57'	2	8815	2.92	3.92	6.58	9.18	12.17	13.84	12.55	10.56	9.33	6.89	4.10	2.43	65.34	29.13	-	94.47	1/29
Walhewap 36° 59', 111° 29'	2	9114		7	9.65	13.75	15.86	16.50	15.42	11.20	8.23	4.53		80.96	-	-	-	1/62	10/79
Willcox 3 NW (Willcox) 32° 18', 109° 51'	2	9334	3.30	4.64	7.15	9.83	10.50	11.14	9.72	8.12	7.32	5.96	4.58	3.27	52.76	32.77	-	85.53	1/17
White River 33° 50', 109° 58'	2	9271		6	8.12	10.04	11.64	9.58	8.65	7.74	5.85	3.56	2.37	53.50	-	-	-	11/67	10/79
Yuma Citrus Station 32° 37', 114° 39'	2	9652	3.66	4.62	7.36	9.74	12.55	13.96	14.94	13.24	10.34	7.43	4.78	3.52	72.46	33.68	-	106.14	10/20
Yuma Springs 32° 43', 114° 37'	2	9892	3.19	4.02	6.02	7.64	8.82	9.72	10.28	9.69	7.60	5.39	3.50	2.68	51.50	27.05	-	78.55	1/17

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR REST MONTH\*

	State No. No.**	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>ARIZONA (continued)</u>																				
Yuma Valley 32° 43', 114° 43'	2	9657	3.49	4.34	6.77	8.66	10.38	11.08	11.72	10.74	8.47	6.12	3.99	3.14	58.51	30.39	-	88.90	1/17	6/40
<u>ARKANSAS</u>																				
Blakely Mountain Dam 34° 36', 93° 11'	3	0764	1	2	3.18	4.37	5.53	5.99	6.63	5.98	4.22	3.28	2.09	1	31.63	-	-	-	1/56	11/79
Blue Mountain Dam 35° 06', 93° 39'	3	0798			3.48	4.52	5.50	6.62	7.10	6.38	4.34	3.06	1.77	1	33.00	-	-	-	1/67	11/79
Hoppe 3 NE (Hope) 33° 43', 93° 33'	3	3428	2.19	2.54	4.24	5.07	6.11	6.77	7.41	6.88	5.14	4.17	2.42	1.80	36.48	18.26	-	54.74	2/37	11/79
Mountain Home, CE 36° 20', 92° 23'	3	5038			5.38	6.15	6.83	7.42	8.81	5.05	3.59	2.35	2.7	2.7	35.85	-	-	-	3/53	10/79
Narrows Dam 34° 09', 93° 43'	3	5110	2	2.20	3.77	4.68	5.62	6.27	6.76	6.96	5.29	3.99	2.29	1.60	34.89	17	-	52	11/50	7/70
Wimrod Dam 34° 57', 93° 10'	3	5200		2	2.91	4.44	5.21	6.24	6.51	6.01	4.63	3.28	2.06	1.3	31.88	-	-	-	10/43	9/66
Russellville (Russellville 4 N) 3	6352	1.63	2.15	3.75	5.04	6.00	6.70	7.38	6.80	5.16	3.73	2.03	1.27	35.77	15.87	-	51.64	1/37	8/79	
<u>CALIFORNIA</u>																				
Alamitos PEKC Pond 37° 15', 121° 52'	4	0053	0.97	1.46	2.69	4.03	5.31	6.47	6.95	6.40	4.70	3.09	1.45	0.90	32.92	11.50	-	44.42	1/60	12/78
Stuttgart 9 ESE 34° 28', 91° 25'	3	6920	1.30	2.02	3.79	5.18	6.17	7.39	7.47	6.88	5.09	3.87	2.39	1.44	36.87	16.12	-	52.99	6/29	10/79

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct	Nov- Apr	Other Season ***	Annual Regan Mo/Yr	Record Began Mo/Yr
<b>CALIFORNIA (continued)</b>																			
Alturas 2 SE 41° 03', 121° 40' (approx)	4	0161	1	1	3	5	6	7.01	8.39	8.03	5.59	3.50	1	1	39	12	-	51	6/57 10/67
		****	5	7	8	8	10	10	10	10	8	7	6	****	****	****	****	****	
Alvarado 37° 34', 122° 07'	4	None	1.42	2.22	3.77	4.98	6.76	7.40	7.76	6.76	5.37	3.75	2.07	1.42	37.78	15.88	-	53.66	8/24 4/42
Amboy 3 ESE Saltus 34° 32', 115° 42' * *	4	0176	4.98	7.60	11.59	14.73	18	22.02	22.76	19	15	11	7	5	108	50	-	159	1/67 11/77
Antioch Pump Plant 3 37° 59', 121° 44'	4	0232	1.25	2.06	4.20	6.31	8.99	10.76	11.64	10.11	7.78	5.02	2.05	1.48	54.30	17.35	-	71.65	1/49 12/78
Arvin-Edison WSD 35° 13', 118° 47'	4	0325	1.65	2.99	4.96	6.85	10.98	12.52	14.06	12.95	9.69	5.98	3.03	1.81	66.18	21.29	-	87.47	3/67 12/77
Atascadero Lake 35° 28', 120° 40'	4	0360	1.57	2.09	3.39	5.16	6.57	7.83	9.29	8.19	5.91	3.74	2	1.54	41.53	16	-	58	1/64 2/79
Avenal 9 SSE 35° 54', 120° 03'	4	0398	2	3.15	6.00	9.10	13.07	16.54	18.96	16	12.24	8.10	3.93	2.31	85	26	-	111	9/50 7/61
Bakus Ranch 34° 57', 118° 11'	4	0418	2.87	3.74	6.57	10.04	13.15	16.61	18.27	17.09	12.52	7.95	4.33	2.99	85.59	30.54	-	116.13	6/36 6/62
Baldwin Park 34° 06', 117° 58'	4	0455	2.05	2.60	3.78	4.80	6.38	6.93	8.66	7.99	6.34	4.61	3.11	2.20	40.91	18.54	-	59.45	7/32 12/53
Bataques-Hyd Res - Baja Calif 4 32° 33', 115° 04'	4	0541	3.98	4.76	7.06	8.94	11.85	12.44	12.60	10.83	8.94	6.22	4.80	3.31	62.88	32.84	-	95.72	1/64 12/76
Beaumont Pumping Pl (Nr) 33° 59', 116° 58'	4	0607	3	3.43	4.41	5.31	6.61	8.39	10.67	10.08	8.11	5.79	3.54	3.11	49.65	23	-	73	1/55 9/75
		****	8	13	14	14	18	20	20	21	19	17	13	13	13	13	13	5	
		27	17	26	9	17	11	14	15	15	19	21	22	8	****	****			

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State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Oct ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<b>CALIFORNIA (continued)</b>																			
Casitas Dam 34° 22', 119° 20'	4	1558	2.28	2.99	4.41	5.47	6.10	6.61	8.27	8.03	6.14	5.04	2.99	2.17	40.19	20.31	-	60.50	9/59
Castaic Dam Headquarters 34° 30', 118° 37'	4	1562	4.02	4	6	6.38	8.07	8.78	10.28	10.00	8.11	6.54	4.92	3.90	51.78	29	-	81	6/68
Cohneys' Val Bullrun R 37° 24', 120° 03'	4	1588	1.26	1.89	3.39	5.28	8.82	11.22	13.43	11.97	8.78	5.31	2.09	1.10	59.53	15.01	-	74.54	12/65
Cedaryville 12 SE 41° 27', 119° 59'	4	1614					9.17	13.27	11.46	8.62	5				-	-	-	6/60	7/70
Chico Experiment Station 39° 42', 121° 47'	4	1715	1.33	1.99	3.77	5.66	8.31	10.07	11.30	9.65	7.37	4.50	1.94	1.31	51.20	15.99	-	67.19	5/51
Chula Vista 32° 36', 117° 06'	4	1758	2.85	3.35	5.00	5.99	6.85	6.97	7.60	7.32	6.11	4.89	3.62	2.42	39.74	23.62	-	63.36	9/18
Corcoran El Rio 1 36° 03', 119° 39'	4	2013	0.87	1.77	4.25	6.57	10.63	12.64	13.74	12.28	8.23	5.28	1.97	0.75	62.80	62.80	-	80.60	10/78
Coyote Reservoir 39° 11', 123° 11'	4	2105	1.42	1.89	3.31	5.12	7.48	9.88	11.77	10.59	7.87	4.61	1.89	1.14	52.20	14.77	-	66.97	1/60
Crane Valley PH 37° 17', 119° 32'	4	2122	1.57	1.81	2.87	4.13	6.57	8.78	11.46	10.94	8.35	5.16	2.60	1.54	51.26	14.52	-	65.78	4/57
Cuyamaca-Helix I.D. 32° 59', 116° 35'	4	2239				3	4.92	7.09	9.57	10.28	9.69	7.56	5.28	3.54	49.47	-	-	4/46	4/79
Davis 2 WSW (non-Irrigated) 38° 32', 121° 46'	4	2294	1.34	2.12	4.12	6.34	9.07	10.83	11.73	10.38	8.35	5.51	2.55	1.32	55.87	17.79	-	73.66	5/26

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Begun Mo/Yr
<b>CALIFORNIA (continued)</b>																			
Davis Hydromet (Irrigated)	4	2294	1.53	2.36	4.49	6.69	8.98	10.24	10.55	9.25	7.59	5.47	2.56	1.57	52.08	19.16	-	71.24	7/59 12/78
38° 32', 121° 46'		18	17	17	18	18	18	18	19	19	19	19	19	19	19	19	19	8	
23	23	20	22	15	14	14	7	7	9	9	15	23	37	7	13				
Death Valley	4	2319	4.50	6.19	10.45	14.31	19.05	21.47	23.99	21.32	16.08	11.27	6.23	4.27	113.18	45.96	-	159.14	5/61 12/79
36° 28', 116° 52'		17	17	18	18	19	19	19	19	19	19	19	19	19	19	19	19	6	
Bellano Gov Camp	4	2346	1.38	2.13	4.49	7.05	10.39	12.32	12.80	10.75	8.07	5.35	2.48	1.42	59.68	18.95	-	78.63	10/52 11/78
35° 49', 119° 11'		22	25	25	25	25	26	26	23	24	22	25	24	25	24	25	24	9	
Don Pedro Reservoir	4	2473	1.30	2.17	4.06	6.06	9.65	12.28	14.72	12.95	9.72	6.06	2.36	1.30	65.38	17.25	-	82.63	6/50 8/78
37° 43', 120° 24'		26	26	26	26	26	26	26	28	28	28	27	27	27	27	27	27	9	
Buttons Landing	4	2580	1.50	2.13	3.85	5.83	8.03	9.41	9.49	8.58	6.93	4.72	2.32	1.50	47.16	17.13	-	64.29	11/55 3/79
38° 12', 122° 18'		24	24	24	24	23	23	23	23	23	23	23	23	23	24	24	24	10	
Eagle Rock Res	4	2605	3.62	3.66	4.96	5.59	5.91	6.57	8.54	8.19	6.77	5.43	4.17	3.50	41.41	25.50	-	66.91	7/56 9/78
34° 09', 118° 11'		22	22	22	22	22	22	22	23	23	23	22	22	22	22	22	22	4	
El Toro - Moulton Ranch	4	2821	1.97	2.17	3.90	4.88	5.83	7.20	8.66	7.60	5.55	4.29	2.76	1.73	39.13	17.49	-	56.62	10/65 5/77
33° 36', 117° 42'		12	11	11	11	11	11	10	10	10	10	10	10	10	12	12	12		
Encino Reservoir	4	2830	2.91	3.23	4.72	5.98	7.36	8.03	10.55	10.00	8.58	6.30	4.72	3.23	50.82	24.79	-	75.61	7/32 8/60
34° 09', 118° 31'		28	28	28	28	28	28	28	29	29	28	28	28	28	28	28	28	5	
Fall River Mills Intake	4	2964	1	1.42	3.03	5.04	7.40	9.06	12.20	10.75	7.13	3.86	1.30	1	50.40	13	-	63	8/25 9/54
41° 01', 121° 28'		6	12	24	28	29	29	29	29	30	30	29	18	18	18	18	18	****	
Parndale 2 NW	4	3030	0.71	1.18	2.28	3.23	3.94	4.37	4.57	4.09	3.58	2.05	1.02	0.75	22.60	9.17	-	31.77	1/63 9/73
40° 36', 124° 17'		11	10	11	11	11	11	11	11	11	11	10	10	10	10	10	10	****	
Finley 1 SSE	4	3056	0.94	1.57	2.95	4.65	7.09	8.11	9.33	8.15	5.83	3.43	1.38	0.83	41.94	12.32	-	54.26	10/63 4/79
38° 59', 122° 52'		16	16	16	16	15	15	15	15	15	15	15	16	16	16	16	16	6	

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Begun Mo/Yr	Latest Data Mo/Yr
<b>CALIFORNIA (continued)</b>																				
Fleeting Fish and Game 40° 21', 120° 18'	4	3087					5.28	7.40	8.15	9.96	8.94	6.46	3.62		44.53	-	-	-	6/61	4/79
							16	17	18	18	18	18	18	11		6				
Florence Lake 37° 16', 118° 58'	4	3093	1.26	1.42	2.44	5.87	7.76	8.66	8.19	6.14	4.13	2.36	1.54	40.75	12.96	-	53.71	10/46	9/59	
			13	13	13	13	13	13	13	13	13	13	13	20	21	32	5	13	6	
Folsom Dam 38° 42', 121° 10'	4	3113	0.90	1.62	3.46	5.38	8.09	10.13	11.46	10.18	7.66	4.96	2.03	0.94	52.48	14.33	-	66.81	1/56	12/79
			24	24	24	24	24	24	24	24	24	24	24	11	8	19	23	7	11	
Fresno State University 36° 49', 119° 44'	4	3257	1.14	2.05	3.94	5.90	8.58	10.31	10.94	9.17	6.69	4.21	2.05	1.02	49.90	16.10	-	66.00	9/68	12/78
			10	10	10	10	10	10	10	10	10	10	10	11	11	11	11			
Friant Gov Camp CP 36° 59', 119° 43'	4	3261	1.38	2.08	3.95	6.15	10.09	13.28	15.35	13.37	9.68	6.03	2.80	1.33	68.20	17.69	-	85.89	5/39	10/79
			39	40	40	40	41	41	40	41	41	41	40	11	10	10	26	5	16	
Fullerton AP 33° 52', 117° 24'	4	3289	2.76	3.07	4.41	5.39	6.57	7.24	8.74	7.99	6.46	4.96	3.58	2.68	41.96	21.89	-	63.89	1/35	5/77
			42	42	42	42	42	42	41	41	41	41	41	15	14	16	27	7	12	
Gibraltar Dam 34° 31', 119° 42'	4	3401	1.42	2.09	3.74	5.08	6.73	7.80	9.69	9.13	7.56	5.08	2.80	1.38	45.99	16.51	-	62.50	10/31	9/54
			23	23	23	23	23	23	23	23	23	23	23	14	14	16	21	21	21	
Hayfield Pump Plant 33° 42', 115° 28'	4	3855	5.00	5.91	9.45	12.95	17.09	18.82	19.84	17.17	14.88	11.02	7.36	4.84	98.82	45.51	-	144.33	5/34	12/45
			11	11	11	11	11	12	12	12	12	12	12	11	11	12	12	12	12	
Henshaw Res 33° 14', 116° 46'	4	3914	1.81	2.64	3.98	5.31	7.20	9.06	11.22	9.96	7.24	4.72	2.76	1.97	49.40	18.47	-	67.87	7/59	4/79
			18	18	19	18	18	16	16	18	18	18	18	15	15	15	25	33	7	
Hetch Hetchy 37° 57', 119° 47'	4	3939					5.08	5.59	7.24	8.90	7.95	6.02	3.54		39.24	-	-	-	8/49	10/77
							10	17	25	27	27	26	23	13	13	13	27	7		
Highland Farm 35° 38', 120° 16'	4	3951	3.19	3.19	4.61	7	11	14	17	15	11	7.95	4.60	3.58	76	26	-	102	10/69	3/79
			10	10	10	10	9	9	9	9	9	10	10	15	15	21	48	10	****	

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<b>CALIFORNIA (continued)</b>																				
Hogan Dam 38° 09', 120° 49'	4	4018	1.38	2.13	3.90	5.75	8.46	10.87	13.11	11.73	8.82	5.90	2.36	1.30	58.89	16.82	-	75.71	3/59	3/79
Huntington Beach - Heil 33° 43', 118° 02'	4	4173	1.97	2.44	3.74	6.65	7.20	7.76	7.17	6.26	4.53	3.19	2.01	39.57	18.07	-	57.64	9/34	12/45	
Huntington Lake 37° 14', 119° 13'	4	4176	1.02	1.06	1.85	3.27	5.24	6.89	8.39	7.60	5.55	3.70	2.09	1.34	37.37	10.63	-	48.00	10/46	9/59
Indio Date Garden 33° 43', 116° 15'	4	4259	2.83	4.43	7.26	9.91	12.82	14.76	14.81	13.46	10.66	7.55	4.00	2.55	74.06	30.93	-	105.04	3/59	12/79
Irvine Co Automatic 33° 40', 117° 40'	4	4300	2.56	3.07	4.25	5.24	5.98	6.57	7.72	7.40	5.90	4.41	3.22	2.52	37.98	20.86	-	58.84	2/46	6/72
Isabella Dam 35° 39', 118° 29'	4	4303	2.05	2.68	4.57	6.61	9.76	12.60	14.57	13.15	9.65	6.22	3.27	1.97	65.95	21.15	-	87.10	7/49	6/78
Jackson 1 NW 38° 22', 120° 47'	4	4321	1.18	1.89	3.43	4.69	7.05	9.61	12.28	11.02	8.03	5.24	2.10	1.02	53.23	14.81	-	68.44	1/59	6/70
Juncal Dam 34° 29', 119° 31'	4	4422	1.02	1.57	2.64	3.67	4.84	6.06	7.05	6.38	5.04	3.07	1.65	0.83	32.44	11.33	-	43.77	2/31	1/79
Kaiser Pass 37° 17', 119° 06'	4	4443	1.18	1.30	2.01	3.31	5.04	6.73	8.27	7.20	5.59	3.58	2.09	1.46	36.41	11.35	-	47.76	10/46	9/59
Kettleman City 35° 06', 119° 58'	4	4534	1.85	2.99	5.83	8.50	12.09	14.33	16.57	14.69	10.87	7.48	3.58	1.85	76.41	24.60	-	102.13	10/49	11/78
Knights Ferry 2 ESE 37° 48', 120° 39'	4	4590	0.98	1.77	3.23	5.24	8.11	10.35	12.25	10.71	7.83	4.88	1.85	0.91	54.13	13.98	-	68.11	3/59	7/78

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<b>CALIFORNIA (continued)</b>																				
Lake Bard 34° 15', 118° 50'	4	4673	5.00	4.41	5.51	6.61	7.28	8.19	9.72	9.13	7.36	6	5.43	49.03	33	-	82	3/67	9/77	
			10	11	11	11	11	11	11	11	11	10	9	10	10	10	10	10	10	
			32	30	22	22	14	21	9	13	18	22	24	24	24	24	24	24	24	
Lake Curry 38° 21', 122° 07'	4	4677	1.34	2.01	3.46	5.04	7.16	8.98	10.31	9.57	7.28	4.92	2.52	1.38	48.22	15.75	-	66.97	1/31	12/45
			15	14	15	15	15	15	15	15	15	14	14	15	15	15	15	15	15	
			19	32	22	20	16	9	9	7	13	14	26	21	7	14	14	14	8	
Lake Mathews 33° 51', 117° 27'	4	4689	3.11	3.23	4.49	5.55	7.32	8.54	10.59	10.12	7.95	5.91	3.98	3.07	50.43	23.43	-	73.86	1/39	10/78
			40	40	40	40	40	40	39	39	40	40	39	39	39	39	39	39	39	
			39	31	21	22	15	17	14	11	14	18	29	35	35	35	35	35	35	
Lake O'Neill - Camp Pendleton 33° 20', 117° 19'	4	4694	3.19	3.31	4.49	5.63	6.18	6.89	8.54	8.27	7.01	5.35	3.86	3.31	42.24	23.79	-	66.03	3/53	3/79
			26	26	26	26	25	26	24	24	26	26	26	26	26	26	26	26	26	
			25	32	22	26	14	13	15	21	22	18	28	30	30	30	30	30	30	
Lakeport 39° 02', 122° 50'	4	4701	1	1	2.17	3.90	5.87	6.85	8.46	7.72	5.55	2.56	0.67	1	37.01	10	-	4.7	6/48	9/70
			9	10	11	11	12	12	12	12	12	12	10	10	10	10	10	10	10	
			***	***	28	30	16	12	8	14	12	14	41	41	41	41	41	41	41	
Lakeshore 40° 53', 122° 23'	4	4709	1.14	1.65	3.11	5.00	6.30	7.68	10.00	9.02	6.61	3.54	1.54	1.02	43.15	13.46	-	56.61	1/48	6/72
			10	19	23	20	24	24	23	23	23	23	18	13	13	13	13	13	13	
			34	28	18	14	12	12	7	10	9	17	21	32	32	32	32	32	32	
Lakeside 2 E 32° 51', 116° 53'	4	4710	3.23	3.74	4.84	6.18	7.36	8.70	10.55	10.00	7.68	6.26	4.37	3.27	50.55	25.63	-	76.18	4/66	4/79
			13	13	12	14	12	14	11	11	11	10	11	10	11	10	11	10	11	
			17	16	13	14	11	14	11	14	6	6	17	12	14	14	14	14	14	
Lake Solano 38° 30', 122° 30'	4	4712	1.85	2.87	5.04	7.37	10.66	12.18	12.87	11.36	9.01	5.98	2.62	1.78	62.06	21.53	-	83.59	7/63	12/79
			16	16	16	16	16	16	17	17	17	17	16	16	16	16	16	16	16	
			20	34	20	25	12	9	5	8	11	13	24	24	24	24	24	24	24	
Lake Spaulding Dam 39° 20', 120° 38'	4	4714					7.36	9.29	11.81	10.71	8.23	5.91		53.31	-	-	-	6/49	6/78	
							12	26	25	28	28	19								
							14	25	18	22	26	32								
Laroy Anderson Dam 37° 10', 121° 38'	4	4916	0.98	1.26	2.44	3.62	5.31	6.50	7.44	6.61	4.96	3.15	1.37	0.91	33.97	10.58	-	44.55	5/66	8/78
			12	12	12	12	13	13	13	13	12	12	12	12	12	12	12	12	12	
			31	11	18	21	13	15	10	15	15	15	24	25	25	25	25	25	25	
Lexington Reservoir 37° 11', 121° 59'	4	4922	1.02	1.46	2.48	3.58	4.96	6.50	7.36	6.65	5.04	3.03	1.65	0.94	33.54	11.13	-	44.67	1/60	8/78
			19	19	19	19	19	19	19	19	19	19	19	20	29	40	40	40	40	
			33	30	28	24	19	19	16	19	20	29	40	40	40	40	40	40	40	

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\*\*\* Sum of monthly means.

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct	Nov-Oct	Other Season ***	Annual Mean****	Record Begun Mo/Yr	Latest Data Mo/Yr
<b>CALIFORNIA (continued)</b>																				
Little Panoche Dam	4	4979	1.77	2.87	5.79	8.62	13.66	15.83	17.09	15.65	11.65	7.09	2.95	1.81	80.97	23.81	-	104.78	2/63	5/75
36° 41', 120° 48'			11	13	12	11	11	12	12	12	12	12	11	10	45	10	****			
Livermore Sewage Plt.	4	4996	1.61	2.32	4.21	5.98	8.62	10.04	11.77	10.55	8.03	5.51	2.56	1.57	54.52	18.25	-	72.77	7/62	2/79
37° 41', 121° 48'			17	16	16	16	16	17	17	17	16	17	17	17	37	10	15	9		
Lodi	4	5032	1.10	1.93	3.85	6.01	8.82	10.49	11.32	9.71	7.29	4.41	1.96	1.06	52.04	15.91	-	67.95	1/31	12/79
38° 07', 121° 17'			27	24	28	22	27	18	15	10	9	49	48	49	46	33	6	12	6	
Los Algodones	4	5107	4.69	5.36	7.76	10.67	13.39	14.33	14.13	12.72	10.43	8.11	5.31	4.33	73.11	38.12	-	111.23	1/61	12/76
32° 42', 114° 44'			16	16	16	16	16	16	16	16	16	16	16	16	16	16	18	6	6	
Los Banos Field Sta	4	5117	1.34	2.28	4.72	7.44	11.42	13.82	14.96	12.87	9.41	5.87	2.40	1.26	68.35	19.44	-	87.79	8/49	8/78
37° 01', 120° 54'			28	28	28	28	28	28	29	30	28	29	28	28	30	12	16	11		
Los Banos Dam Resv	4	5120	1.74	2.69	5.75	9.50	14.80	17.16	18.54	15.83	12.17	7.26	3.17	1.94	85.76	24.79	-	110.55	7/68	12/79
37° 03', 121° 04'			11	11	11	11	11	11	12	12	12	12	12	12	11	21	3	14	4	
Lost Hills	4	5151	1.61	3.07	5.91	9.02	13.46	16	18.46	15.59	11.65	7.72	3.54	1.81	83	24.96	-	108	7/49	11/78
33° 57', 119° 41'			11	10	10	10	9	11	11	11	11	11	11	11	42	42	****			
Madera Id Yard	4	5233	1.30	2.01	4.17	7.09	11.46	13.07	14.80	12.48	9.49	5.35	2.24	1.22	66.65	18.03	-	86.68	8/49	8/78
36° 55', 120° 01'			16	15	16	16	16	16	16	17	15	15	14	15	16	17	11	11	11	
Mendeville Island	4	5296	1.14	2.40	4.69	6.77	8.78	10.63	11.38	9.92	7.52	5.20	2.52	1.18	53.43	18.70	-	72.13	5/55	5/65
38° 02', 121° 34'			10	10	10	11	11	10	10	10	10	10	10	10	16	21	40	8	****	
Manteca	4	5303	1.22	1.73	3.98	6.30	9.25	10.28	11.57	10.24	7.56	4.17	1.85	1.18	53.07	16.26	-	69.33	5/65	2/79
37° 48', 121° 12'			14	14	13	14	14	14	14	14	14	14	14	14	14	21	28	4	15	
Merced 5 SE	4	5532	1	2.01	4.06	5.83	8.78	10.67	12.01	10	7	5	2	1	53	16	-	69	2/59	7/68
37° 16', 120° 23'			9	10	10	10	10	10	10	10	9	9	9	9	8	****	****	****		

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\*\*\* Sum of monthly means.

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

State No.	Station Index No.**	Record												Record					
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Begin Mo/Yr	
<b>CALIFORNIA (continued)</b>																			
Mexicali Hydro Res., Baja Cal	4	5570	2.72	3.66	6.10	8.11	10.71	12.09	12.13	10.59	8.15	6.18	3.39	2.48	59.85	26.46	-	86.31	1/61
32° 40', 115° 48'		16	16	16	16	16	16	16	16	16	15	15	16	16	16	4	6	4	
Mockingbird Res. 33° 54', 117° 25'	4	5736	3.31	3.07	3.35	3.94	4.65	5.31	7.01	6.65	5.71	4.92	3.90	3.22	34.25	20.79	-	55.04	7/41
69	64	37	37	36	36	37	37	38	38	38	38	38	38	38	38	52	58	53	
Mojave 35° 03', 118° 10'	4	5756			7	10	13.86	15.91	17.60	15.79	11.85	7.99	5	83.00	-	-	-	9/64	
			7	8	12	13	13	13	12	13	14	8	13	13	13	5	5	4/78	
Monticello Dam 38° 30', 122° 07'	4	5818	1.14	1.85	3.27	4.96	7.36	9.41	11.30	10.16	7.68	4.88	2.01	1.10	50.79	14.33	-	65.12	12/58
		13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	1/70	
Morris Dam FC 3908 34° 11', 117° 33'	4	5871	2.24	2.28	3.78	4.72	6.06	7.05	9.33	8.78	7.24	5.08	3.70	2.20	43.54	18.92	-	62.46	10/30
		19	19	18	19	18	19	19	19	19	19	19	19	19	19	19	19	9/49	
Nacimiento Dam 35° 46', 120° 33'	4	6056	1.65	2.32	3.94	5.63	7.95	9.96	11.46	10.59	7.83	5.28	2.72	1.73	53.07	17.99	-	71.06	5/57
		21	20	22	21	21	22	22	22	21	21	22	22	22	22	22	22	3/79	
Newville 1 E 39° 48', 122° 30'	4	6178	1.73	2.56	4.17	6.42	9.49	12.40	14.61	12.76	10.43	6.81	3.15	1.85	66.50	19.88	-	84.90	3/59
		11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	10/70	
Oakdale-Hoodward Dam 37° 51', 120° 33'	4	6305	1.14	1.77	3.39	5.31	9.29	12.28	14.69	12.72	8.94	5.35	2.40	1.14	63.27	15.15	-	78.42	10/18
		42	44	41	45	42	43	42	43	42	43	42	43	38	38	38	38	12/67	
Oroville Dam 39° 32', 121° 29'	4	6527	1.22	1.97	3.54	5.31	8.03	10.24	12.32	11.02	8.43	5.28	2.24	1.18	55.32	15.46	-	70.78	1/59
		21	21	20	19	19	20	20	20	20	19	20	20	20	20	20	20	3/79	
Perkins Res Evap. 33° 50', 117° 12'	4	6818	3.86	3.94	5.35	6.38	8.58	10.47	12.87	12.36	9.29	6.81	4.29	3.15	60.38	26.97	-	87.35	12/63
		14	14	14	14	14	14	14	14	12	11	12	12	12	12	12	12	1/79	
Pilot Rock Evap. 34° 16', 117° 17'	4	6868	2.13	3.15	4.84	5.63	7.60	9.48	10.98	10.04	8.19	5.98	3.46	2.21	51.95	21.42	-	73.37	6/60
		12	16	16	17	18	19	19	19	19	19	19	19	19	19	19	19	4/79	

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State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr	
<b>CALIFORNIA (continued)</b>																				
Pine Flat Dam 36° 50', 119° 19'	4	6896	1.06	1.69	3.27	5.04	7.91	10.16	12.05	10.87	8.19	5.00	2.05	1.06	54.18	14.17	-	68.35	7/49	6/78
Placerville IIGC 38° 44', 120° 44'	4	6962	1.42	1.69	2.83	4.21	6.02	7.83	9.72	8.82	6.89	4.13	2.05	1.57	43.41	13.77	-	57.18	6/48	6/78
Prado Dam 33° 54', 117° 38'	4	7123	3.43	3.50	4.72	6.14	7.68	8.62	10.71	10.00	7.91	5.67	4.21	3.38	50.59	25.37	-	75.96	7/30	1/69
Pyramid Reservoir 34° 40', 118° 47'	4	7170	3.90	3.98	5.35	6.73	8.27	10.35	12.13	11.85	9.06	6.65	4.61	3.78	58.31	28.35	-	86.66	3/67	12/78
Red Bluff 3 E 40° 09', 122° 10'	4	7291	1.77	2.36	3.90	5.71	7.60	9.53	10.39	8.66	7.13	4.65	2.28	1.61	47.96	17.63	-	65.59	1/59	12/72
Redinger Lake - Dam 7 37° 09', 119° 27'	4	7305	1.57	2.13	3.98	6.50	8.98	11.61	14.76	12.87	9.53	6.18	2.91	1.85	63.93	18.94	-	82.87	10/46	9/59
Riverside Citrus Exp 33° 58', 117° 20'	4	7473	2.83	3.23	4.57	5.79	7.05	8.19	9.88	9.25	7.05	5.24	3.62	2.68	46.66	22.72	-	69.38	1/25	4/78
Rodriguez, Baja Calif 32° 27', 116° 54'	4	7528	3.86	3.78	4.57	5.83	6.89	7.36	8.54	8.07	6.50	5.55	3.90	3.11	42.91	25.05	-	67.96	1/61	12/76
Salinas Dam 35° 20', 120° 30'	4	7672	1.81	2.56	4.21	5.79	8.15	9.69	11.65	10.98	8.19	5.83	2.87	1.77	54.49	19.01	-	73.50	7/63	3/79
San Antonio Dam 35° 49', 120° 56'	4	7714	1.97	2.60	4.25	6.18	8.78	10.94	12.28	10.98	8.23	5.31	2.99	1.89	56.52	19.88	-	76.40	12/66	3/79
San Bernardino FC 34° 06', 117° 16'	4	7725	2.97	3.52	4.62	6.24	7.67	8.31	11.40	10.84	7.92	6.08	3.83	2.62	52.22	23.80	-	76.02	6/59	10/73

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CALIFORNIA (continued)	Station Index No.**	State No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct			Nov-Apr			Other Season ***			Record Began Mo/Yr		
															***	***	***	***	***	***	***	***	***	***	***	***
San Fernando 34° 16', 118° 28'	4	7759	5.75	4.69	6.14	6.50	7.56	7.76	10.35	9.45	8.46	7.40	7.56	6.14	50.98	36.78	-	87.76	1/31	12/54						
San Jacinto Res MWD 33° 48', 117° 00'	4	7811	2.72	3.23	4.80	6.38	8.58	10.31	12.56	11.50	9.02	6.38	3.78	2.80	58.35	23.71	-	82.06	7/39	9/71						
San Luis Dam 37° 03', 121° 04'	4	7846	1.58	2.62	5.57	8.99	13.28	16.07	19.13	17.23	12.21	7.36	2.90	1.57	85.28	23.23	-	108.51	2/63	12/79						
San Mateo Cr, Camp Pendleton 33° 28', 117° 28'	4	7866	4.02	3.74	4.25	5.43	5.91	6.81	9.02	10.20	8.78	7.60	5.75	4.76	48.32	27.95	-	76.27	2/57	3/79						
San Pasqual Valley SDDU 33° 05', 117° 00'	4	7873	2.91	2.83	5	5.47	7.24	8	9.84	9.33	7.91	5.40	4.17	2.80	48	23	-	71	10/46	9/57						
Santa Rosa, Sewage Pit. 38° 26', 122° 45'	4	7964	1.50	2.20	3.70	5.55	7.36	8.58	9.41	8.30	6.57	4.37	2.13	1	44.59	17	-	62	7/62	1/79						
Shasta Dam 40° 43', 122° 25'	4	8135	1.81	2.14	3.45	5.25	7.51	9.21	11.49	10.23	7.93	5.02	2.57	1.75	51.39	16.97	-	68.36	1/46	12/79						
Shaver Lake 37° 09', 119° 18'	4	8140	1.14	1.30	2.20	3.58	5.79	7.28	9.17	8.31	6.30	3.66	2.13	1.50	40.51	11.85	-	52.36	10/46	9/59						
Silver Lake Res 34° 06', 118° 16'	4	8252	2.75	3.58	4.72	5.59	6.77	6.93	9.02	8.35	6.73	5.04	3.62	2.72	42.84	22.98	-	65.82	1/52	12/67						
Sly Park 38° 43', 120° 34'	4	8295	0.55	0.94	1.77	3.23	5.00	7.32	9.09	8.46	6.02	3.46	1.38	0.79	39.35	8.66	-	48.01	7/55	2/79						
Solomon CTR 36° 28', 121° 23'	4	8338	2.40	2.99	4.61	5.98	7.68	8.19	8.58	7.60	6.57	5.31	3.11	2.24	43.93	21.33	-	65.26	3/61	5/71						

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	Station Index No.**	State No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<b>CALIFORNIA (continued)</b>																				
Stony Gorge Res 39° 35', 122° 32'	4	8587	1.18	1.85	3.70	5.67	8.43	10.67	12.55	11.02	8.27	4.80	1.89	1.18	55.74	15.47	-	71.21	11/48	9/78
Success Dam 36° 03', 118° 55'	4	8620	1.42	2.17	4.17	6.42	9.76	11.97	13.82	12.44	9.33	6.18	2.72	1.30	63.50	18.20	-	81.70	8/59	6/78
Taft KTKR Radio, 35° 09', 119° 28'	4	8755	2.05	2.87	5.47	7.80	11.46	13.78	15.47	13.86	10.35	6.77	3.27	1.81	71.69	23.27	-	94.96	5/60	9/78
Tahoe City 39° 10', 120° 08'	4	8758	-	-	-	3	4.06	5.00	6.04	5.80	3.87	2.14	-	26.30	-	-	-	4/19	12/79	
Tecate Hydro Res, Baja Calif 32° 32', 116° 39'	4	8817	3.27	3.31	4.29	5.20	6.14	7.01	8.62	8.27	6.81	6.42	3.86	3.54	43.27	23.47	-	66.74	1/61	12/73
Terminus Dam 36° 25', 119° 00'	4	8868	1.54	2.36	4.09	5.98	9.57	11.93	14.29	13.23	10.04	6.61	2.91	1.34	66.07	18.22	-	83.89	9/62	8/78
Tijuana Hydro Res, Baja Calif 4 32° 31', 117° 02'	8928	3.43	3.70	3.94	4.96	5.83	6.10	6.93	7.32	5.83	5.08	3.39	3.03	37.09	22.45	-	59.54	1/61	12/76	
Tracy Pumping Plant 37° 48', 121° 35'	4	9001	1.58	2.70	5.53	8.51	12.48	15.57	17.57	15.25	11.09	6.79	2.98	1.58	78.75	22.88	-	101.63	7/53	12/79
Trinity Dam Vista Pt 40° 48', 122° 46'	4	9024	3	4.02	7.05	8.58	10.55	9.13	6.53	3.07	0.98	1	44.91	-	-	-	-	7/62	11/78	
Tujunga Spreading Gr - Evap 34° 13', 118° 25'	4	9048	3.35	3.70	5.04	6.06	7.68	8.03	10.16	9.61	7.36	5.79	4.53	3.50	48.63	26.18	-	74.81	12/32	12/44
Tulalake 41° 58', 121° 28'	4	9053	-	-	-	5	8.02	8.34	9.45	8.54	6.65	3.62	-	44.62	-	-	8/62	12/79		

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\*\* Climatological data (NOAA-SDIS)

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

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<b>CALIFORNIA (continued)</b>																				
Turntable Creek 40° 46', 122° 18'	4	9083	2.32	2.76	3.98	5.51	6.54	8.39	10.51	10.04	8.66	5.83	3.27	2.64	49.97	20.48	-	70.45	1/48	10/69
Twitchell Dam 34° 59', 120° 19'	4	9111	3.21	3.49	4.52	5.35	6.97	7.61	8.86	8.55	7.34	5.91	3.99	3.29	45.24	23.84	-	69.08	4/62	12/79
U.S. Cotton Field Station 35° 32', 119° 17'	4	9145	1.50	2.64	5.12	7.48	11.18	12.20	12.40	10.55	8.19	5.35	2.40	1.30	60.32	20.44	-	82.59	8/44	10/78
Vail Lake - USGS 33° 30', 116° 59'	4	9213	3.46	3.94	4.69	5.98	7.95	9.33	11.46	11.14	8.35	6.38	4.29	3.54	54.61	25.90	-	80.51	4/52	6/76
Valle de Las Palmas, Baja Calif 4 32° 23', 116° 40'	4	9218	4.02	4.06	5.12	6.50	7.91	9.21	10.63	10.31	8.50	6.46	4.33	3.70	53.02	27.73	-	80.75	1/61	12/77
Van Nuys FC 15B 34° 11', 118° 27'	4	9260	1.31	1.41	2.63	3.57	4.36	4.60	5.86	5.17	3.71	2.37	1.73	1.22	25.93	11.81	-	37.73	1/30	7/48
Verdugo Pump Station 35° 15', 118° 20'	4	9298	5.59	5.13	6.44	7.43	7.28	8.52	11.18	10.38	9.59	8.43	6.27	6.06	55.66	36.70	-	92.36	1/56	12/69
Villa Park Dam 33° 49', 117° 46'	4	9338	2.83	2.99	3.35	4.76	5.43	6.14	7.76	7.36	5.82	4.76	3.39	2.60	37.27	19.92	-	57.19	1/64	6/78
Vinton 39° 49', 120° 11'	4	9351				8	7.56	8.39	10.87	10.00	7.60	5		50	-	-	-	1/60	8/70	
Westley 37° 33', 121° 12'	4	9565	1.38	2.32	4.61	6.65	8.98	10.55	10.91	9.06	7.40	5.16	2.44	1.54	52.06	18.94	-	71.00	10/49	12/71
Whale Rock Dam 35° 27', 120° 53'	4	960310	4.57	3.70	4.65	5.51	6.22	6.42	6.57	6.18	5.87	6.18	4.80	4.37	37.44	27.80	-	65.24	9/63	4/79

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<b>CALIFORNIA (continued)</b>																				
Whale Rock Res. 35° 29', 120° 52'	4	960325	2.76	2.72	3.66	4.80	6	7	7	6	4	3	2.52	37	19	-	56	12/69	4/79	
			10	10	10	10	9	9	9	9	9	9	9	10	25	****	****	****	****	
Whitekeytown Reservoir 40° 37', 122° 32'	4	9621	1	1.51	2.92	4.61	7.09	8.84	11.08	9.71	7.79	1.44	1.08	47.68	13	-	61	7/59	12/79	
			8	18	19	16	19	19	20	20	21	19	14	13	37	38	5	****	****	
Whitaker Forest 36° 42', 118° 56'	4	9629		****	38	16	26	18	9	8	14	13	21	37				31.06	-	7/66 10/77
Willow Creek, 1 NW 40° 57', 123° 38'	4	9694	1	2	3	5	7.14	8.62	6.89	4.51	2	1	34	-	-	-	6/69	9/79		
			7	9	9	9	10	11	11	11	9	6	16	****	****	****	****	****	****	
<b>COLORADO</b>																				
Alamosa WSO AP 37° 77', 105° 52'	5	0130					7.45	9.71	10.58	9.57	8.37	6.68		-	-	52.36	-	5/60	9/79	
							12	15	16	17	17	17	17	12	6	12	8			
Bonny Lake (Bonny Dam) 39° 38', 102° 11'	5	0834					8.18	9.41	11.57	12.44	11.30	8.55	6.68			59.95	-	-	1/49 8/78	
Climax 2NW 39° 22', 106° 11'	5	1660					19	28	29	30	30	28	23		16	20	15	13	18	17
																		12		
Conejos 3 NWW 37° 08', 106° 02'	5	1816					7	8.28	8.57	7.40	7.06	7.15	5.27		7	8.28	8.57	7.40	7.06	7.15
							19	20	20	20	20	20	20	19	****	****	****	****	****	****
Eastes Park 40° 23', 105° 31'	5	2759					6	7.13	7.06	5.87	5.14								31	-
							5	14	15	15	15	13		17	16	9	18	15		
Grand Junction 6 ESE 39° 03', 108° 27'	5	3489					7.77	10.23	12.83	13.20	11.35	8.38	5.19	2			61.18	-	-	
							17	22	23	23	22	23	17	8	16	21	27	27	22	
Grand Lake 6 SSW 40° 11', 105° 52'	5	3500					7	8.30	8.33	7.00	5.65	3.67				9	25	29	30	19
							9	14	8	14	15	15	15	****	****	****	****	****	****	

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<b>COLORADO (continued)</b>																					
Green Mountain Dam 39° 53', 106° 20'	5	3592					5.27	6.84	7.10	6.08	4.82	3.18		33.29	-	-	-	8/48	9/78		
John Martin Dam 38° 04', 102° 55'	5	4388				6	8.16	9.85	11.61	12.58	10.72	8.28	5.70		58.74	-	-	4/42	9/78		
Lake George 8 SW 38° 55', 105° 29'	5	4742				7	5	7	8.03	7.48	6.25	5.81			7	-	35	-	4/67	10/79	
Meiditch 39° 22', 106° 45'	5	5507					8.96	8.85	7.26	5.41					-	-	30.48	-	5/69	9/79	
Montrose No. 1 38° 29', 107° 53'	5	5717	1.28	1.56	3.54	5.59	7.58	9.35	9.21	7.58	5.80	3.57	1.68	1.29	43.09	14.94	-	58.03	1/41	10/79	
Pueblo City Reservoir 38° 17', 104° 39'	5	6743			3.62	5.76	6.96	9.00	10.51	11.06	9.41	7.68	5.43	3.38	3	53.09	-	-	-	3/42	10/70
Springfield 37° 23', 102° 42'	5	7866				8.44	10.60	12.26	13.16	11.88	9.16	6.86		63.92	-	-	-	9/56	10/79		
Sugar Loaf Reservoir 39° 15', 106° 22'	5	8064				2.3	2.3	2.3	2.3	2.3	2.4	2.4			10	-	-	-	8/48	9/79	
Twin Lakes Reservoir 39° 05', 106° 19'	5	8501				6.50	5.85	5.02	4.12	3				-	-	28	-	7/65	10/78		
Vallecito Dam 37° 24', 107° 33'	5	8582				4.00	5.47	6.73	6.62	5.68	4.53	3.18	2	32.21	-	-	-	8/48	10/79		
Wagon Wheel Gap 37° 48', 106° 58'	5	8742				7	8.57	7.27	6.04	5.59	4			38	-	-	5/40	9/71			

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<b>COLORADO (continued)</b>																			
Wiggins 7 SW 40° 09', 104° 11'	5 9025	10 9	8.81 10	9	10	8	6.02	4	4.6	-	-	-	-	4/61	9/70				
<b>CONNECTICUT</b>																			
Coventry 41° 48', 72° 21'	6 1689	6 6	5.85 19	6.06 23	5.06 22	3.77 21	-	-	-	-	-	-	27	-	5/57	7/79			
Norfolk 41° 58', 73° 13'	6 5445	3.70 14	4.30 14	4.52 15	3.87 15	2.38 15	1.28 13	-	-	-	-	-	20.50	-	-	5/65	10/79		
<b>DELAWARE</b>																			
Georgetown 38° 38', 75° 27'	7 3570	5.76 16	6.55 20	7.33 21	7.69 23	6.75 22	5.13 24	3.90 20	37.35	-	-	-	-	4/56	10/79				
Newark University Farm 39° 40', 75° 44'	7 6410	5.17 12	6.00 18	6.39 16	5.59 15	4.00 15	-	-	-	-	-	-	27.15	-	5/28	9/79			
<b>FLORIDA</b>																			
Bay Lake 28° 04', 82° 30'	8 0520	3.19 15	3.65 15	6.76 14	7.84 15	7.39 15	6.77 13	6.14 15	5.42 15	4.90 15	3.77 15	3.05 15	38.46	26.33	-	64.79	12/51	12/66	
Belle Glade Exp Station 26° 40', 80° 38'	8 0611	3.35 38	3.99 38	5.70 40	6.45 40	6.29 40	6.33 40	6.15 40	5.30 40	4.73 40	3.66 40	3.14 40	35.87	26.29	-	62.16	3/40	12/79	
Flamingo R S 25° 09', 80° 55'	8 3020	5 7	5 8	7 8	9 8	8 9	8 9	8 6	7.43 10	6 8	6 9	4 10	4.38 4.38	45	34	-	79	5/63	9/75
Ft. Lauderdale Exp Sta 26° 05', 80° 15'	8 3171	3.83 25	4.33 25	6.24 25	7.54 25	7.83 25	6.92 21	7.15 20	6.97 22	5.52 23	4.31 24	3.81 24	40.33	30.06	-	70.39	11/33	6/79	

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<b>FLORIDA (continued)</b>																				
Gainesville 2 WSW 29° 38', 82° 22'	8	3321	2.95	3.71	5.65	7.14	7.97	7.59	7.14	6.71	5.74	4.97	3.60	2.82	40.12	25.87	-	65.99	10/53	12/79
Hialeah 25° 50', 80° 17'	8	3909	3.81	4.42	6.12	7.26	7.80	7.12	7.36	7.22	5.91	5.81	4.79	3.80	41.22	30.20	-	71.42	1/41	12/79
Lake Alfred 28° 06', 81° 43'	8	4707	3.33	3.91	6.01	7.37	8.16	7.23	7.33	6.92	6.17	5.30	3.90	3.09	41.11	27.61	-	68.72	5/65	12/79
Lake City 2E 30° 11', 82° 36'	8	4731	2.99	3.76	5.70	7.06	7.70	7.55	7.49	6.59	5.92	4.94	3.56	2.98	40.19	26.05	-	66.24	6/65	12/79
Lisbon 28° 52', 81° 47'	8	5076	2.75	3.30	5.01	6.59	7.15	6.61	6.55	6.02	5.09	4.64	3.21	2.69	35.86	23.55	-	59.41	1/60	12/79
Loxahatchee 26° 41', 80° 16'	8	5182	3.17	3.81	5.28	6.27	6.94	6.17	6.01	5.91	5.16	4.55	3.40	2.81	34.74	24.74	-	59.48	1/41	12/59
Milton Exp. Sta 30° 47', 87° 08'	8	5793	2.58	3.26	4.99	6.25	7.02	7.08	6.56	6.05	5.27	4.70	3.18	2.32	36.68	22.58	-	59.26	1/63	12/79
Moore Haven Lock No. 1 26° 50', 81° 05'	8	5895	4.05	4.30	6.47	7.87	8.50	7.68	7.50	7.17	6.56	5.91	4.46	3.60	43.32	30.75	-	74.07	1/49	12/79
Tamiami Trail (40 Mi Bend) 25° 45', 80° 50'	8	8780	3.36	3.85	5.41	6.31	6.83	6.15	6.87	6.57	5.36	5.53	3.81	3.20	37.31	25.94	-	63.25	2/41	11/79
Vero Beach 4W 27° 38', 80° 27'	8	9219	2.80	3.60	5.44	6.64	7.07	6.66	6.64	6.32	5.03	4.81	3.31	2.64	36.53	24.43	-	60.96	5/65	12/79
Woodruff Dam 30° 43', 84° 52'	8	9795	2.63	3.27	5.20	6.51	7.27	7.84	7.33	6.96	6.52	5.42	3.44	2.58	41.34	23.63	-	64.97	1/59	12/78

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<u>GEORGIA</u>																				
Ailey 32° 11', 82° 34'	9	0090	2.09	3.06	4.53	5.46	6.61	6.64	6.21	4.61	3.74	2.64	2.07	34.42	19.85	-	54.27	1/49	11/79	
		****	17	19	18	20	17	20	18	18	20	19	15	****	****	****	****	****	****	
Allatoona Dam 34° 10', 84° 44'	9	0181	3	3.87	5.06	5.77	6.27	6.55	5.97	4.71	3.46	2.32	2.27	26	16	32.73	-	-	5/52 11/78	
		****	7	12	25	27	27	27	13	13	13	13	13	****	****	6	6			
Athens College of Agric 33° 55', 83° 21'	9	0432	2.76	3.20	4.82	6.12	7.13	7.49	7.63	6.83	5.65	4.21	3.03	2.53	38.94	22.46	-	61.40	6/53	6/71
		14	15	17	16	17	18	16	17	17	17	17	17	18	18	18	6	5	3	
Calhoun Exp Station 34° 29', 84° 58'	9	1474			4.63	5.75	6.04	7.24	7.25	6.54	5.23	4.22	3	3	36.52	-	-	-	9/70 12/79	
		8	9	9	9	9	9	9	9	9	10	10	9	8	****	****	****	****		
Experiment 33° 16', 84° 17'	9	3271	2.57	3.10	4.78	6.26	7.53	7.96	7.58	6.95	5.61	4.32	3.04	2.36	39.95	22.11	-	62.06	10/36	11/79
		30	32	35	43	43	41	43	43	42	43	44	41	35	35	35	35	5	5	
Rome WSO AP (Rome) 34° 21', 85° 10'	9	7610	1.77	2.76	3.85	5.29	6.37	6.69	6.85	6.02	5.05	3.76	2.32	1.54	34.74	17.53	-	52.27	1/49	3/68
		11	16	15	18	17	16	18	18	19	19	17	18	12	12	12	12	5	5	
Savannah WSO AP 32° 08', 81° 12'	9	7847	3	3.67	5.69	7.42	7.76	7.91	8.29	7.21	5.75	5.12	3.42	3	42.04	26	-	68	6/65	11/79
		9	11	13	12	13	12	13	14	13	13	13	13	9	9	9	9	9	9	
Tifton Exp Sta (Tifton) 31° 29', 83° 32'	9	8703	2.22	2.78	4.53	6.00	7.08	6.97	6.81	6.32	5.13	4.24	2.80	2.17	36.55	20.50	-	57.05	5/37	12/79
		36	40	40	39	42	42	41	42	42	41	42	40	40	40	40	40	40	40	
<u>HAWAII</u>																				
Hilo WB Airport 19° 43', 155° 04'	49	1492	5.01	4.92	5.24	5.61	5.96	6.52	6.59	6.20	5.73	5.50	4.22	4.38	36.50	29.38	-	65.88	8/55	10/68
		13	13	13	13	13	13	13	13	14	13	13	13	12	12	12	12	5	5	
Honolulu 21° 23', 158° 01'	49	1527	3.56	3.85	4.73	5.44	5.99	6.37	7.00	5.08	5.28	3.88	3.57	37.52	25.03	-	62.55	8/19	11/38	
		18	18	18	18	18	18	18	19	20	20	20	19	19	19	19	19	19	19	

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<b>HAWAII (continued)</b>																			
Honolulu Obs. 21° 19', 158° 00'	49 1918	4.73	5.14	6.80	7.50	8.57	9.03	9.66	9.84	8.60	7.54	5.82	4.97	5.24	34.96	-	88.20	1/56	12/78
Lihue WSO AP 21° 59', 159° 21'	49 5580	5.47	5.64	7.30	8.97	9.61	10.25	10.04	9.15	7.96	6.30	5.53	5.98	38.16	-	94.14	8/55	12/79	
Maunawili Ranch 21° 23', 157° 48'	49 none	3.10	3.13	3.91	3.75	4.11	4.08	4.37	4.36	3.87	3.57	3.15	2.99	24.36	20.03	-	46.39	2/20	9/30
Pahala 19° 12', 155° 29'	49 7421	4.59	4.54	5.01	5.41	5.59	5.90	6.43	6.33	5.49	5.04	4.52	4.60	34.78	28.67	-	63.45	12/30	5/45
<b>IDAHO</b>																			
Aberdeen Exp Sta 42° 57', 112° 50'	10 0010	5.19	7.56	8.48	9.88	8.84	6.03	3.61	4.40	-	-	-	-	-	-	-	5/35	12/79	
Lifton Pump Station 42° 07', 111° 18'	10 5275	4.19	6.35	7.52	9.02	7.36	5.54	3.15	3.94	-	-	-	-	-	-	-	5/35	12/79	
Mackay 4 NW 43° 57', 113° 40'	10 5466	8.88	10.65	9.11	6.92	12	14	14	10	-	-	-	-	-	-	35.56	-	7/67	8/79
Minner Dam 42° 32', 114° 01'	10 none	4.85	6.82	8.11	9.47	8.59	5.72	3.05	2	41.76	-	-	-	-	-	-	4/27	7/45	
Minidoka Dam (Ruppert) 42° 40', 113° 29'	10 5980	7	8.17	10.82	13.02	11.48	8.30	4.79	3	56.58	-	-	-	-	-	-	5/49	5/62	
Moscow U of I (Moscow) 46° 44', 116° 38'	10 6152	4.39	5.42	6.18	8.46	7.60	4.50	3.20	35.36	-	-	-	-	-	-	-	6/39	12/79	
Palisades Dam (Palisades) 43° 21', 111° 13'	10 6764	5.81	7.20	9.45	8.45	5.54	4	40	-	-	-	-	-	-	-	5/49	9/75		

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No. Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr	
<u>IDAHo (continued)</u>																				
Twin Falls WS0 42° 33', 114° 21'	10	9303				7	8.62	9.13	10.36	9.11	6.68	4.49		48.39	-	-	-	5/63	10/79	
						9	17	17	17	17	17	13								
						****	****	****	****	****	****	****								
<u>ILLINOIS</u>																				
Carlyle Reservoir 38° 38', 89° 20'	11	1290				5.17	6.95	8.50	8.80	7.24	5.69	4.37		41.55	-	-	-	4/63	10/79	
						17	17	17	17	17	16	15								
Hennepin Power Plant 41° 18', 89° 19'	11	4013				5	6.98	8.32	8.28	6.56	6.21	4		41	-	-	-	5/63	9/79	
						7	15	17	15	15	13	8								
Springfield WS0 AP 39° 50', 89° 40'	11	8179				5.50	7.12	8.41	8.95	7.42	6.21	4.55	2					5/41	10/79	
						28	34	35	35	35	35	35	2							
Urbana 40° 06', 88° 14'	11	8740				4.62	6.33	7.60	7.80	6.29	4.85	3.43		42.67	-	-	-			
						11	16	16	15	15	15	15	2							
Urbana Engineering Campus 40° 07', 88° 14'	11	8750				3.30	5.67	6.25	6.52	5.92	4.59	3.23		42.67	-	-	-			
						13	14	13	15	15	15	15	2							
						16	14	18	19	14	11	11	2							
<u>INDIANA</u>																				
Culver Exp Farm 41° 10', 86° 28'	12	1952				6.61	7.67	7.38	6.25	4.80	3.23		35.94	-	-	-	6/61	11/74		
						12	13	13	12	12	11									
Dubois S Ind Forage Farm 38° 27', 86° 42'	12	2309				5.62	6.29	7.02	7.15	6.35	4.89	3.85	2					9/56	10/79	
						19	23	23	23	22	22	22	2							
Evansville WS0 AP 38° 03', 87° 32'	12	2738				5.14	6.66	7.86	8.05	7.07	5.40	3.88	2.52		38.92	-	-	-	4/49	10/79
						29	31	31	31	31	31	30	2							
Kendallville 41° 27', 85° 15'	12	4492				4.25	5.65	6.45	6.80	6.10	4.38	2.96		32.34	-	-	-	1/49	4/72	
						20	21	21	22	23	23	22	2							
						17	11	11	9	11	18	18	12							

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\*\*\* Sum of monthly means.  
\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>INDIANA (continued)</u>																			
Milan Waterworks (Milan) 39° 07', 85° 08'	12 5656	4	5.42	6	6.07	5.60	4.17	3.16	30	-	-	-	-	5/55	5/68	*****			
Oaklandon Geist Reservoir (Indianapolis) 39° 54', 85° 59'	12 6506	3.76	4.96	5.71	6.15	5.31	4.01	2.62	1.66	28.76	-	-	-	6/37	10/79	*****			
Valparaiso Waterworks 41° 31', 87° 02'	12 8999	3.66	5.38	6.14	5.94	4.92	3.23	2.95	28.56	-	-	-	-	4/60	9/79	*****			
W. Lafayette 6 NW 40° 25', 86° 56'	12 9430	4.88	6.30	7.28	7.33	6.02	4.84	3.54	35.31	-	-	-	-	9/56	10/79	*****			
<u>IAWA</u>																			
Ames 8 WSW 42° 02', 93° 48'	13 0200	6	7.39	8.65	8.59	7.12	5.43	4.32	41.50	-	-	-	-	4/65	10/79	*****			
Ames 3 SW (Ames) 42° 00', 93° 39'	13 0205	8	7.15	15	15	15	15	13	*****	*****	*****	*****	*****	4/33	10/70	*****			
Burlington Radio KBUR 40° 49', 91° 10'	13 1060	4.84	6.82	7.76	8.47	7.13	5.26	3.71	29.15	-	-	-	-	4/65	10/79	*****			
Castana Exp Farm (Castana 4E) 42° 04', 95° 49'	13 1277	5.25	7.00	8.30	9.04	7.25	5.46	4.13	41.18	-	-	-	-	5/56	9/79	*****			
Cherokee 42° 45', 95° 32'	13 1442	5.65	7.10	8.12	8.34	7.23	5.40	4.23	40.42	-	-	-	-	8/37	11/53	*****			
Dubuque WSO AP 42° 24', 90° 42'	13 2367	4.19	6.01	6.92	7.86	6.66	5.03	3.45	35.93	-	-	-	-	4/63	10/79	*****			

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\*\* Climatological data (NOAA-EDIS)

\*\*\* Sum of monthly means.

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	Station Index No.**	State No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Record Other Season ***	Annual ***	Began Mo/Yr	Latest Data Mo/Yr
<b>IOWA (continued)</b>																				
Norwich Exp Farm (Norwich)	13	6119				6.09 18	7.21 22	8.45 21	9.18 22	7.63 22	6.15 21	4.60 20		43.22 ****		-	-	4/38	10/66	
40° 45', 95° 12'																				
Shenandoah 1 NE	13	7613					7	8.79	8.68	8.07	5.96	4.23		43 ****		-	-	5/66	10/79	
40° 47', 95° 21'							9	10	10	10	10									
<b>KANSAS</b>																				
Cedar Bluff Dam*	14	1383				8.23	9.60	12.29	13.31	11.89	9.09	6.47		62.65		-	-	8/49	9/78	
38° 48', 99° 43'						24	29	29	29	30	30	23								
Colby 1 SW	14	1699				7.94	9.42	12.11	13.41	11.71	9.26			13						
39° 23', 101° 04'						14	14	14	14	14	14									
Council Grove Dam	14	1867				6.86	8.18	9.24	10.68	9.48	6.62	5.26	3	49.46		-	-	6/64	9/78	
38° 41', 96° 31'						12	14	15	15	15	15	14	5							
Elk City Dam	14	2430				4.59	6.26	6.90	8.13	9.22	8.30	5.61	4.43	2.44		42.59		-	4/64	10/79
37° 17', 95° 48'						10	16	16	16	16	16	16	12							
Fall River Dam	14	2686				4	5.58	7.49	8.31	9.22	10.61	10.09	7.47	5.59	3.46	2	51.29		-	
37° 39', 96° 05'						5	22	30	29	30	31	31	23							
Garden City Exp Sta	14	2980					9.50	11.48	13.65	14.66	11.88	8.86	7.32		67.85		-	4/63	10/79	
37° 59', 100° 49'						17	17	17	17	17	16	17	14							
Glen Elder Dam	14	3100					6.68	5.35	10.55	11.97	10.75	7.39	5.36		51.37		-	5/65	10/79	
39° 30', 98° 19'						11	15	15	15	15	15	15	13							
Hayes 1 S	14	3527					8.17	9.88	12.90	14.52	13.05	10.04	7.50		67.89		-	5/38	9/79	
38° 52', 99° 20'						41	42	41	42	42	42	21								
John Redmond Dam	14	4104					6.88	7.68	8.62	10.13	8.86	5.98	4.71	3	45.98		-	9/60	9/78	
38° 15', 95° 45'						17	18	18	18	18	19	18	9							
						11	23	8	12	24	12	28	28		13					

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\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dic	May-Oct ***	Nov-Apr ***	Other Season ***	Record Regen Mo/Yr ***	Latest Regen Mo/Yr ***
<b>KANSAS (continued)</b>																			
Kanapolis Dam 38° 36', 97° 37'	14	4178	7.08	8.25	10.13	11.49	10.50	7.72	5.78	5	53.87	-	-	-	-	5/49	9/78		
Lovewell Dam 39° 54', 98° 02'	14	4857	6.49	7.51	8.83	10.05	9.25	6.13	4.44	46.21	-	-	-	-	7/58	10/79			
Manhattan Agronomy Farm 39° 12', 96° 35'	14	4977	6.19	7.38	8.98	10.31	9.27	7.31	4.77	48.02	-	-	-	-	5/25	9/29			
Marion Dam 38° 23', 97° 05'	14	5039	6.73	7.87	9.49	11.27	9.97	6.84	5.39	3	50.83	-	-	-	5/66	10/79			
Milford Lake (or Dam) 39° 05', 96° 53'	14	5306	6.74	8.00	9.68	11.11	10.00	6.89	5.41	51.09	-	-	-	-	7/65	9/78			
Norton Dam 39° 49', 99° 56'	14	5852	7.49	9.02	11.05	12.42	10.78	7.66	5.71	56.64	-	-	-	-	4/63	10/79			
Perry Lake (or Dam) 39° 07', 95° 25'	14	6333	6.80	7.35	8.88	10.23	9.40	6.35	5	47	-	-	-	-	4/69	9/78			
Pomona Dam 38° 39', 95° 34'	14	6498	7.13	7.87	8.88	9.92	8.82	6.37	5.85	47.71	-	-	-	-	9/63	9/78			
Sabetha Lake 39° 54', 95° 54'	14	7073	5.44	6.82	7.48	8.25	7.67	5.32	4.11	39.65	-	-	-	-	4/56	10/79			
Toronto Dam 37° 45', 95° 56'	14	8191	4.72	6.44	7.48	7.96	9.58	8.66	5.76	4.52	43.96	-	-	-	-	4/56	9/78		
Tribune I W (Tribune) 38° 28', 101° 46'	14	8235	7.79	9.86	12.17	13.30	12.01	8.96	6.14	62.67	-	-	-	-	9/16	9/78			

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\*\* Climatological Data (NOAA-EDIS).

\*\*\* Sum of monthly means.

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct	Nov-Apr	Other Season ***	Annual ***	Record Begun Mo/Yr	Latest Data Mo/Yr
<b>KANSAS (continued)</b>																				
Tuttle Creek Lake (or Dam) 39° 15', 96° 36'	14	8259	6.29 15 ****	7.75 16 ****	8.61 19 ****	9.98 18 ****	8.82 18 ****	4.82 19 ****	4.89 21 ****	4.82 21 ****	4.87 20 ****	4.87 16 ****	4.87 15 ****	45.87 52.84 ****	-	-	-	9/59	9/78	
Webster Dam 39° 25', 99° 25'	14	8648	6.80 15 ****	8.29 21 ****	10.09 21 ****	11.54 20 ****	10.17 9 ****	7.18 17 ****	5.57 16 ****	5.57 10 ****	5.42 10 ****	5.42 9 ****	5.42 10 ****	52.84 49 ****	-	-	-	4/58	9/78	
Wichita 37° 40', 97° 18'	14	None	6.19 10 ****	6.99 10 ****	8.90 10 ****	10 9 ****	10 9 ****	7.75 9 ****	5.42 10 ****	5.42 10 ****	5.42 10 ****	5.42 10 ****	5.42 10 ****	49 49 ****	-	-	-	9/18	6/27	
Wilson Lake (or Dam) 38° 58', 98° 29'	14	8946	6.87 11 ****	8.54 14 ****	10.24 13 ****	11.98 13 ****	10.77 14 ****	7.53 14 ****	5.97 15 ****	5.97 13 ****	5.97 13 ****	5.97 13 ****	5.97 13 ****	55.03 55.03 ****	-	-	-	3/64	9/78	
<b>KENTUCKY</b>																				
Buckhorn Lake (Buckhorn) 37° 21', 83° 23'	15	1080	4.62 17 ****	5.02 18 ****	5.47 18 ****	5.63 16 ****	5.07 18 ****	3.89 17 ****	2.91 17 ****	2.91 17 ****	2.91 17 ****	2.91 17 ****	2.91 17 ****	27.99 25.21 ****	-	-	-	4/61	10/79	
Dawey Dam 37° 45', 82° 47'	15	2180	4.51 15 ****	4.94 16 ****	5.35 17 ****	4.67 17 ****	5.50 16 ****	2.24 17 ****	2.24 15 ****	2.24 15 ****	2.24 15 ****	2.24 15 ****	2.24 15 ****	25.21 11 ****	-	-	-	9/53	10/70	
Dix Dam 37° 48', 84° 43'	15	2214	5.33 23 ****	6.14 25 ****	6.47 26 ****	6.93 26 ****	6.34 26 ****	5.01 26 ****	3.62 20 ****	3.62 20 ****	3.62 20 ****	3.62 20 ****	3.62 20 ****	34.51 5 ****	-	-	-	4/54	9/79	
Eadsville (Lock 21) 36° 54', 84° 53'	15	None	3 9 ****	4 9 ****	4.98 10 ****	5.86 10 ****	5.99 10 ****	4.90 10 ****	3.64 10 ****	2.51 10 ****	1.59 10 ****	1.59 10 ****	1.59 10 ****	27.88 5 ****	-	-	-	5/37	11/46	
Madisonville 37° 19', 87° 29'	15	5067	5.83 14 ****	6.86 8 ****	7.56 11 ****	7.84 7 ****	6.91 7 ****	5.06 7 ****	4 7 ****	4 7 ****	4 7 ****	4 7 ****	4 7 ****	38 ****	-	-	-	4/56	9/79	
Nolin River Lake (or Reservoir) 37° 17', 86° 15'	15	5834	5.58 16 ****	6.63 16 ****	7.15 16 ****	8.92 16 ****	6.63 16 ****	4.73 16 ****	3.71 15 ****	3.71 15 ****	3.71 15 ****	3.71 15 ****	3.71 15 ****	37.71 ****	-	-	-	4/64	10/79	

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	State No. No.**	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<b>KENTUCKY (continued)</b>																				
Wolf Creek Dam 36° 52', 85° 09'	15	3807	2	2	4	4.68	5.47	6.35	6.57	5.88	4.58	3.24	2	2	32.09	17	-	49	6/48	9/70
			7	7	7	12	20	23	23	23	21	21	7	6						
			****	****	****	12	10	9	12	18	12	12	****	7	****					
<b>LOUISIANA</b>																				
Calhoun Exp Sta 32° 31', 92° 20'	16	1411	2	3.02	4.69	5.59	6.89	7.48	7.56	7.15	5.38	4.35	2.68	2.14	38.81	20	-	59	8/60	11/79
			7	15	19	19	19	18	19	20	20	20	28	14						
			****	****	17	8	10	8	7	10	6	15	15	15	****	****				
LSU Ben-Hur Exp Sta 30° 22', 91° 10'	16	5620	2.31	3.34	4.85	6.43	7.18	7.72	6.69	6.36	5.47	5.23	3.42	2.54	38.65	22.89	-	61.54	3/63	12/79
			9	16	17	14	15	16	16	16	17	15	17	15						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****				
Woodworth State Forest 31° 08', 92° 28'	16	9865	1.72	2.16	3.50	4.56	5.82	6.17	6.16	5.80	4.46	3.68	2.10	1.68	32.09	15.72	-	47.81	1/57	9/75
			14	18	18	17	17	17	17	18	18	17	17	16						
			22	18	15	13	18	12	14	16	12	14	12	12						
<b>MAINE</b>																				
Caribou WSO AP 46° 52', 68° 01'	17	1175					5.46	5.72	5.80	4.72	3.20	2			27	-	-	-	6/63	9/79
							10	17	17	16	16	5								
							****	****	****	****	****	****	****	****	****					
New Gloucester 43° 57', 70° 18'	17	5686					6	4.97	6	5.50	3.85				-	-	26	-	6/63	9/79
							9	10	9	12	11									
<b>MARYLAND</b>																				
Baltsville 39° 02', 76° 53'	18	0700					5.13	5.66	6.57	7.31	6.19	4.75	3.34	2.44	33.82	-	-	-	5/41	10/79
							11	31	36	37	37	34	33	17						
							****	9	6	10	13	18	11	11	****					
Savage River Dam 39° 31', 79° 08'	18	8065					5	5.42	5.80	5.98	5.36	4.17	2.73		29.46	-	-	-	5/51	10/79
							8	27	26	26	29	29	27							
							****	8	7	8	8	13	18	4						
Upper Marlboro 3 NWW 38° 52', 76° 47'	18	9070					4.62	5.67	6.31	6.68	5.85	4.12	2.99		31.62	-	-	-	4/56	10/79
							17	22	23	23	22	22	20							
							11	8	9	13	11	11	11	3						

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May--Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Regan Mo/Yr	Latest Data Mo/Yr
<b>MASSACHUSETTS</b>																				
Rochester 41° 47', 70° 55'	19	6938					3.09	4.53	5.27	5.63	4.77	3.33	2.13		25.66	-	-	-	4/52	10/79
			21	28	28	14	14	14	14	28	28	28	27	10	11	12	7			
<b>MICHIGAN</b>																				
Darborn 42° 18', 83° 14'	20	2015					3.88	5.86	6.91	7.35	6.18	3.10	2.99		32.39	-	-	-	8/52	9/79
			18	30	27	14	14	14	14	10	10	26	23	14	22					
East Lansing 42° 43', 84° 28'	20	2395					5	6.18	6.95	7.37	6.14	4.45	2.91		34.00	-	-	-	4/56	10/79
			7	23	24	10	10	12	12	24	24	24	23	8	13	25	5			
Germfask Wildlife Refuge 46° 17', 85° 57'	20	3123					4.90	5.89	6.24	5.00	2.97	1.91			26.91	-	-	-	7/39	10/60
			18	20	21	18	18	20	21	22	22	22	20	16	17	18				
Lake City Exp Farm 44° 19', 85° 12'	20	4502					5	6.11	6.43	5.31	3.43	2.34			29	-	-	-	5/60	9/79
			8	17	17	16	17	17	16	18	17	17	12	12	12					
Lupton 1 SW 44° 25', 84° 01'	20	4967					4.80	5.17	5.62	4.46	2.87	1.82			24.74	-	-	-	5/51	10/79
			24	29	29	16	16	10	17	29	29	29	26	14	14	40	9			
South Haven Exp Farm 42° 24', 86° 17'	20	7690					3.99	5.59	6.61	6.81	6.06	4.57	3.17		32.81	-	-	-	5/52	9/78
			25	27	27	25	25	27	27	27	27	27	25	11	11	14	5			
<b>MINNESOTA</b>																				
Hoyt Lakes 5 N 47° 35', 92° 08'	21	3921					5.12	5.83	6.15	4.80	2.92	2			27	-	-	-	5/58	8/79
			10	15	14	14	14	14	14	14	13	13	8							
Lamberton SW Exp Sta 44° 15', 93° 19'	21	4546					5	7.93	9.03	9.02	7.43	5.61			44	-	-	-	5/66	9/78
			9	13	13	13	13	13	13	13	13	13	13							
Waseca Exp Sta 44° 04', 93° 31'	21	8692					6	6.43	8.38	8.47	6.73	5.07			-	-	41	-	4/64	9/79
			5	15	15	15	15	15	15	15	15	15	15							

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<u>MISSISSIPPI</u>																				
Scott 33° 36', 91° 05'	22	7886	2.12	2.78	4.50	5.87	7.48	8.38	8.15	7.32	5.74	4.36	2.87	2.01	41.43	20.15	-	61.58	11/52	
State University 33° 28', 88° 48'	22	8374	2.28	3.81	4.59	5.99	7.24	7.62	7.77	7.30	5.75	4.49	3.01	2.25	40.17	21.93	-	62.10	10/48	
Tunica <sup>2</sup> 34° 41', 90° 23'	22	8998	2.24	2.26	2.29	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	2.6	11	8	****	-	4/60	10/79
<u>MISSOURI</u>																				
Columbia (Univ of Missouri) 38° 59', 92° 28'	23	1800	4.80	5.77	7.06	8.11	6.82	5.76	3.54	2	37.06	-	-	-	-	-	-	5/16	10/26	
Promme De Terre Dam 37° 55', 93° 19'	23	6777	2.22	2.23	2.25	2.23	2.24	2.24	2.24	2.25	2.24	2.24	2.24	2	****	****	****	6/36	9/39	
St. Louis (Washington U) 38° 39', 90° 19'	23	7470	5.94	7.05	8.51	8.99	8.09	5.22	4.31	4.21	4.21	4.21	4.21	4.21	4.21	-	-	6/44	10/52	
Spickard 7 W 40° 15', 93° 43'	23	7963	2.77	4.17	5.32	6.06	6.75	5.82	4.67	2.79	1.53	31.41	-	-	-	-	-	6/63	9/78	
Weldon Springs <sup>3</sup> 38° 42', 90° 44'	23	8805	5.25	6.07	7.01	8.00	6.98	4.88	3.78	3.672	-	-	-	-	-	-	-	6/38	10/56	
<u>MONTANA</u>																				
Babb 6 NE 48° 56', 113° 22'	24	0392	5.96	6.28	7.18	6.00	4.24	-	-	-	-	-	-	-	-	-	5/50	8/79		
Bozeman Agricultural College 45° 40', 111° 03'	24	1044	3.67	5.72	6.17	8.33	7.47	4.73	2.72	35.14	-	-	-	-	-	-	7/16	10/20		

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<b>MONTANA (continued)</b>																			
Bozeman 6 W Exp Farm 45° 40', 111° 09'	24	1047			5	5.87	6.76	8.13	7.46	5.07	3			36	-	-	-	5/67	10/79
Canyon Ferry P H 46° 39', 111° 44'	24	1470			6	12	13	13	13	13	7			****	****	****	****		
Dillon WME 45° 12', 112° 38'	24	2409			5.23	6.38	8.33	7.31	4.59					-	-	31.84	-	5/56	9/79
Fort Assiniboine 48° 30', 109° 48'	24	3110			5.05	7.27	7.95	9.94	9.17	5.58				30	-	-	-	8/50	9/79
Fort Peck P H 48° 01', 106° 27'	24	3175			22	28	30	31	31	31				****	****	****	****	4/48	9/79
Fort Peck P H 48° 01', 106° 24'	24	3176			37	26	21	23	23	32				-	-	44.96	-		
Hungry Horse Dam 48° 21', 114° 00'	24	4328			7.47	7.70	9.61	9.28	6.73	4.41				-	-	45.20	-	5/35	9/56
Huntley Exp Sta 45° 55', 108° 15'	24	4345			14	22	22	22	22	15				46.14	-	-	-	5/56	9/79
Malta 48° 21', 107° 52'	24	5337			7.49	8.68	10.67	9.86	5.88	3.56				31	-	-	-	8/48	9/79
Moccasin Exp Sta 47° 03', 109° 57'	24	5761			31	31	32	31	9					38.56	-	-	-	8/48	10/79
Sherbourne Lake 48° 50', 113° 31'	24	7150			19	13	12	20	23	****	****	****	****	-	-	47	-	4/48	9/79

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<b>MONTANA (continued)</b>																				
Sidney 47° 44', 104° 09'	24	7560					4.14 12 ****	6.21 22 14	6.89 19	7.72 9	6.64 23	3.94 9	2.62 20	34.02 ****	-	-	-	5/57	10/79	
Terry 46° 48', 105° 18'	24	8165					8.00 13 ****	8.85 20	10.75 22	9.51 23	5.72 19	4 5	47 20	-	-	-	8/50	8/74		
Tiber Dam 48° 19', 111° 05'	24	8233					5 6 ****	6.46 21	7.02 23	8.53 23	7.39 23	4 5	39 ****	-	-	-	4/53	9/75		
Valier 48° 19', 112° 15'	24	8501					6.79 33 ****	7.05 45	8.48 46	7.87 47	6.47 46	3.47 10	40.13 ****	-	-	-	7/16	8/78		
Western Montana Br. Sta 46° 20', 114° 04'	24	8783					6 5 ****	7 9	7.99 12	6.78 13	4.27 12	-	-	32 ****	-	-	4/66	10/79		
Yellowtail Dam (Hardin) 45° 19', 107° 56'	24	9240					8.36 13 ****	8.49 18	10.56 18	9.67 18	6.37 18	5.15 11	48.60 ****	-	-	-	8/48	9/79		
<b>NEBRASKA</b>																				
Box Butte Exp. Sta (or Farm) 42° 08', 102° 57'	25	1045					6 8 ****	8.36 31	9.25 32	11.04 32	9.98 32	7.47 19	5.36 19	51.46 ****	-	-	-	6/48	9/79	
Bridgport 47° 40', 103° 06'	25	1145					5.18 41 17	6.81 48 15	8.02 48 13	9.19 48	8.08 48	5.78 48	3.69 44	41.57 8	-	-	-	5/31	9/78	
Enders Lake (or Dam) 40° 45', 101° 41'	25	2741					7.49 26 13	8.11 28	9.99 28	11.36 28	10.09 28	7.55 29	5.03 29	52.13 21	-	-	-	9/51	10/79	
Gavins Point Dam 42° 51', 97° 29'	25	3165					5 5 ****	7.51 17	8.45 17	9.71 17	8.37 17	5.84 17	4.54 14	44.42 ****	-	-	-	5/61	9/78	
Grand Island WSO AP 40° 58', 98° 19'	25	3395					8.49 17 ****	10.73 16	11.14 15	9.56 17	6.75 17	-	-	46.67 ****	-	-	4/63	9/79		

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<u>NEBRASKA (continued)</u>																			
Harlan Co Lake (or Dam) 40° 05', 99° 12'	25	3595					6.62	8.64	10.15	11.26	10.10	7.62	5.57	53.34	-	-	-	5/49	10/79
			13	31	30	30	31	31	31	31	31	28	13						
Holdredge 1 E 40° 26', 99° 20'	25	3911				6.96	7.75	8.22	7.32	5.46			-	-	35.71	-	-	7/57	9/70
			13	18	18	14	15	15	14	13	14	12	10						
Kingsley Dam 42° 13', 101° 39'	25	4455				6.91	8.21	9.77	8.52	5.91	4.03		43.35	-	-	-	8/38	10/79	
			15	14	14	12	16	16	14	40	41	41	33						
Lincoln Agron Farm 40° 51', 96° 37'	25	4790				5.06	6.93	8.39	9.96	8.40	6.44	4.33		43.82	-	-	-	4/17	9/68
			41	48	48	50	51	50	51	50	50	46							
Mead Agronomy Lab 41° 10', 96° 25'	25	5362				7.65	9.19	9.62	7.93	5			-	-	40	-	-	4/69	9/78
			10	10	10	10	10	10	10	10	10	9							
Medicine Creek Dam 40° 23', 100° 13'	25	5388				7.08	8.58	10.35	11.45	10.18	7.72	5.37		53.65	-	-	-	10/51	10/79
			26	28	28	28	28	28	28	28	28	26							
Mitchell 5 E 41° 57', 103° 41'	25	5590				6.54	6.74	8.52	9.08	7.30	5.45	5		42	-	-	-	4/49	9/79
			10	10	28	29	31	31	31	30	30	6							
Northeastern Nebr Exp Sta 42° 43', 96° 57'	25	6018				8.47	9.54	10.28	8.02	6.16			-	-	42.47	-	-	5/63	9/79
			13	13	13	13	13	13	13	13	13	14							
North Platte Exp Farm 41° 04', 100° 45'	25	6075				6.28	9.30	9.42	11.22	9.93	7.40	6.53		53.80	-	-	-	5/49	10/79
			24	28	30	30	30	30	30	30	30	30							
Omaha (North) WSP0 41° 22', 96° 01'	25	6260				7.80	8.82	8.70	7.94	5.75	4.81			43.82	-	-	-	6/58	9/79
			19	16	15	15	15	15	10	18	18	18							
Red Willow 40° 21', 100° 39'	25	7110				7.29	8.82	10.35	11.49	10.16	7.38	5.55		53.75	-	-	-	4/62	7/79
			17	18	18	18	18	17	17	17	17	14							

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<b>NEBRASKA (continued)</b>																					
Rosemont 40° 16', 98° 22'	25	7330					7.59 14 ****	9.39 19 16	10.31 20 17	11.47 20 13	10.72 20 16	8.19 20 25	6.20 20 25	56.28 13	-	-	-	6/48	10/67		
Trenton Dam 40° 10', 101° 04'	25	8628					7.17 22 17	8.74 25 18	10.49 25 21	12.06 26 12	10.98 26 13	8.01 26 22	5.46 24 23	55.74 13	-	-	-	5/54	10/79		
Valentine Lakes Game Refuge 42° 35', 100° 41'	25	8755					6.83 27 16	7.69 30 13	8.67 30 11	7.74 29 8	5.94 25 16	4.51 12 ****	41.38 ****	-	-	-	6/48	8/79			
<b>NEVADA</b>																					
Boulder City 35° 59', 114° 51'	26	1071	3.44 40	4.43 39	7.49 40	10.77 42	13.87 41	16.26 42	16.14 41	14.07 43	11.42 42	7.75 41	4.59 39	3.30 35	79.51 57	34.02 57	-	113.53 113.53	1/49 12/79		
Central Nev Field Lab 39° 23', 117° 19'	26	1630					6 8 ****	9 11 ****	10.75 10 ****	12.25 10 ****	11 9 ****	8.61 10 ****	5.11 10 ****	57 16	3 ****	-	-	4/56	10/79		
Fallon Exp Sta 39° 27', 118° 47'	26	2780					4.21 13	5.75 15	7.34 16	8.52 16	9.21 16	7.86 16	5.49 16	3.75 13	2.99 13	42.17 ****	-	-	-	3/50	11/79
Lahonton Dam 39° 28', 119° 04'	26	4349					8 5 ****	9.78 15 ****	11.56 23	13.96 23	12.37 23	8.07 23	4.85 11	60.59 ****	-	-	-	4/48	5/74		
Lamoille Power House 40° 41', 115° 26'	26	4395					5 7 ****	6.29 24 ****	7.45 24 ****	9.78 24 ****	8.92 24 ****	6.40 24 ****	3.83 24 ****	42.67 ****	-	-	-	7/16	8/47		
Ruby Lake 40° 12', 115° 30'	26	7123					7.78 10 ****	9.65 14 ****	10.94 15 ****	9.77 15 ****	5.97 16 ****	4 9 ****	48 ****	-	-	-	5/49	9/79			
Rye Patch Dam 40° 28', 118° 18'	26	7192					8.55 25	9.95 27	12.80 27	11.30 28	8.12 24	4.90 17	55.62 ****	-	-	-	7/40	10/79			
Silverpeak 37° 40', 117° 35'	26	7463					10 7 ****	18.21 8 ****	17.72 10 ****	16 8 ****	12 9 ****	7 8 ****	3 6 ****	82 ****	-	-	-	3/68	11/79		

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<b>NEVADA (continued)</b>																				
Topaz Lake 38° 41', 119° 02'	26	8970	7	9.85	10.99	12.96	11.95	8.86	6.11					59.65	-	-	-	7/57	7/70	
			5	12	16	18	18	16	16	16	16	16	11	9	****					
<b>NEW HAMPSHIRE</b>																				
Lakeport 2 43° 33', 71° 24'	27	4480	5.08	5.85	6.58	5.73	3.93	2.74						29.91	-	-	-	5/52	10/79	
			20	25	25	25	25	25	25	25	25	25	17	17	****					
Massabesic Lake 42° 59', 71° 24'	27	5211	3	4.40	5.06	5.58	4.51	2.94	1.94	1				24.43	-	-	-	5/42	11/55	
			7	14	15	16	16	16	16	16	16	16	15	5	****					
<b>NEW JERSEY</b>																				
Canoe Brook 40° 45', 74° 21'	28	1335	4.78	4.92	5.52	4.65	3.38	2.19						25.44	-	-	-	4/31	9/79	
			40	44	44	44	44	43	43	43	43	43	37	37	9	9				
New Brunswick 40° 28', 74° 26'	28	6055	5.81	6.51	8.33	7.14	4.54	3.04						35.37	-	-	-	6/68	10/79	
			11	12	12	12	12	12	12	12	12	12	11	11	****					
Pleasantville 39° 25', 74° 31'	28	7131	4.15	5.63	5.85	6.58	5.67	4.01	2.68	1.95				30.42	-	-	-	4/37	6/58	
			13	21	22	21	21	21	21	21	21	21	21	21	14	14	14	14		
Bunyan 40° 26', 74° 20'	28	7825	5.09	5.21	5.64	5.07	4.12	2.62	2					27.75	-	-	-	5/35	11/48	
			14	14	14	14	14	14	14	14	14	14	14	5	****					
<b>NEW MEXICO</b>																				
Abiquiu Dam 36° 14', 106° 26'	29	0041	7.83	10.21	11.83	10.79	9.50	7.59	5.66					55.58	-	-	-	4/64	12/79	
			13	16	16	16	16	16	16	16	16	16	16	16	****					
Agricultural College 32° 17', 106° 45'	29	0131	3.01	4.44	7.69	10.01	11.75	13.01	11.95	10.27	8.36	6.17	3.89	2.73	61.51	31.77	-	93.28	10/18	
			36	36	36	36	36	36	36	36	36	36	37	37	****	****	****	****	12/48	
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		

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<u>NEW MEXICO (continued)</u>																								
Alamogordo Dam 34° 36', 104° 23'	29	0205	3.82 24 ****	4.66 31 23	8.51 35 19	11.12 36 11	13.18 36 10	14.95 36 11	14.25 36 12	12.38 36 19	10.14 36 19	7.35 31 17	4.87 26 17	3.79 26 8	72.25 ****	36.77 ****	-	109.02	1/39	11/73				
Animas 31° 57', 108° 49'	29	0617			10.98 12 ****	14.38 10 ****	14.40 11 ****	12.87 12 ****	11.19 13 ****	8.62 10 ****	6.77 10 ****	6.77 10 ****	6.77 10 ****	68.23 10 ****	-	-	-	1/67	11/79					
Bitter Lakes Wild Rtg. 33° 29', 104° 24'	29	0992	2.92 17 ****	4.34 23 20	7.28 24 18	10.14 24 8	11.73 21 10	12.94 21 15	12.37 25 8	10.83 24 14	8.46 20 14	6.20 22 19	3.63 22 17	2.72 18 26	62.53 ****	31.03 ****	-	93.56	1/51	10/79				
Bosque del Apache 33° 46', 106° 54'	29	1138	3.57 12 ****	3.52 16 ****	7.79 16 5	10.38 14 6	11.38 16 3	13.41 17 6	11.48 12 3	10.52 12 12	8.12 17 12	6.56 17 17	3.31 12 13	2.84 12 13	61.47 12 13	31.65 ****	-	93.39	1/49	10/73				
Caballo Dam 32° 54', 107° 18'	29	1886	4.45 32 24	5.41 34 15	9.05 37 16	12.20 36 7	14.23 36 8	16.19 36 7	13.66 37 8	12.00 37 10	9.75 37 16	7.28 37 16	4.92 33 16	3.51 33 16	73.11 33 16	39.54 16	-	112.65	3/42	10/79				
Capulin Nat'l Mon 36° 47', 103° 58'	29	1454				9.73 12 ****	10.90 14 ****	10.24 14 ****	9.41 13 ****	8.22 12 ****	7.41 12 ****	6.74 12 ****	5.76 12 ****	4.92 12 ****	3.51 12 ****	73.11 12 ****	39.54 12 ****	-	48.50	-	5/63	9/79		
Clovis 13 N 34° 36', 103° 13'	29	1963	4.07 14 23	6.94 24 26	9.10 28 12	10.56 28 16	11.83 28 14	11.56 28 17	9.87 28 15	8.09 28 22	6.19 29 22	4.43 29 23	3.73 27 24	56.39 27 24	-	-	-	4/51	11/79					
Eagle Nest 36° 33', 105° 16'	29	2700				7.55 25 ****	8.25 32 ****	7.62 35 12	6.74 35 17	5.76 35 17	5.76 35 19	5.76 35 19	5.76 35 19	5.76 35 19	5.76 35 19	5.76 35 19	-	-	35.92	-	8/34	9/79		
El Vado Dam 36° 36', 106° 44'	29	2837				8.06 32 15	9.36 38 10	8.89 39 12	7.38 39 18	6.29 39 25	4.68 39 25	4.38 39 25	4.38 39 25	4.38 39 25	4.38 39 25	4.38 39 25	4.38 39 25	4.38 39 25	44.66 39 25	-	-	-	7/36	10/75
Elephant Butte Dam 33° 09', 107° 11'	29	2848	3.28 63 25	4.85 63 16	8.53 63 17	11.75 63 8	14.45 64 9	16.17 64 6	13.64 64 8	9.72 64 10	7.70 64 18	4.75 64 14	3.21 64 18	3.21 64 17	73.31 64 17	36.37 64 17	-	109.68	4/16	12/79				
Estancia 34° 45', 106° 04'	29	3060					9.00 10 ****	8.97 12 ****	8.29 12 ****	7.40 11 ****	5.90 11 ****	5.90 11 ****	5.90 11 ****	5.90 11 ****	5.90 11 ****	5.90 11 ****	5.90 11 ****	5.90 11 ****	-	-	39.56	-	5/66	9/79

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\*\*\* Sum of monthly means.

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	State No.**	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<b>NEW MEXICO (continued)</b>																				
Farmington 4 NE 36° 45', 108° 10'	29	3134				7.33	8.37	10.42	10.01	8.89	6.62				-	-	51.64	-	3/49	9/79
			12	17	19	11	9	13	18	18	18									
			***	***	***	***	***	***	***	***	***									
Florida 32° 36', 107° 29'	29	3225	3.84	4.79	8.02	10.93	13.07	14.86	11.91	10.29	8.63	6.80	4.45	4.07	65.56	36.10	-	101.66	10/38	9/79
			21	35	35	38	36	36	37	38	38	38	34	28	***	***	***	***		
Jornada Exp Range 32° 37', 106° 44'	29	4426	3.00	4.35	7.38	10.23	12.12	13.32	10.88	9.87	7.89	5.94	3.75	2.72	60.02	31.43	-	91.45	1/53	8/79
			23	24	26	27	27	26	27	26	25	25	24	21						
Lake Avalon 32° 29', 104° 15'	29	4736	4.77	5.78	9.46	12.49	14.47	15.76	14.50	12.57	9.38	7.71	5.45	4.42	73.62	42.21	-	115.83	12/51	10/78
			20	25	26	26	26	26	26	25	26	26	23	18						
Los Lunas 34° 46', 106° 45'	29	5150				8.24	9.95	10.98	10.38	9.18	6.66	4.68			51.83	-	-	-	3/62	11/79
			17	17	17	16	17	16	17	17	16	16	16	16	***	***	***	***		
Navajo Dam 36° 49', 107° 37'	29	6061				7.32	10.42	11.81	11.76	10.01	7.45	5.40			56.85	-	-	-	8/36	10/79
			20	23	22	23	22	23	24	23	23	24	23	24	***	***	***	***		
Portales 7 WNW 34° 11', 103° 21'	29	7014	3.36	4.30	8.04	9.20	10.66	12.57	11.82	10.90	8.42	6.24	4.58	3.40	60.61	32.88	-	93.49	4/34	8/60
			23	24	26	27	27	27	27	27	26	26	25	24	***	***	***	***		
Roswell 33° 18', 104° 32'	29	7609	2.79	4	6	8.25	10.61	11.01	9.60	8.67	6.58	3.84	2.93	48.31	-	-	-	2/40	1/51	
			10	9	9	10	10	10	10	10	10	10	10	10	***	***	***	***		
Santa Fe 35° 40', 105° 55'	29	8072	1.49	2.13	3.91	6.39	8.98	10.75	9.52	8.09	6.97	4.89	2.51	1.39	49.20	17.82	-	67.02	6/16	11/55
			17	17	18	19	30	36	36	36	37	36	20	17	***	***	***	***		
State University 32° 17', 106° 45'	29	8535	3.03	4.29	7.48	10.14	12.44	13.42	12.04	10.56	8.13	6.14	3.78	2.76	62.73	31.48	-	94.21	1/56	12/79
			24	4	24	24	24	24	24	24	24	24	24	24	***	***	***	***		
Tucumcari 3 NE 35° 12', 103° 41'	29	9156				10.55	12.21	13.28	16.91	11.23	11.23	8.92			-	-	73.10	-	4/56	9/79
			21	22	22	22	22	22	22	22	22	22	22	22	***	***	***	***		

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<b>NEW MEXICO (continued)</b>																			
Ute Dam 35° 21', 103° 27'	29	9284	8.22	8	10.66	10.76	11.01	9.60	7.12	6.25	4.93	5.40	-	-	-	-	2/65	11/79	
			10	9	11	14	14	15	14	14	10	****	****	****	****	****			
<b>NEW YORK</b>																			
Aurora Research Farm 42° 44', 76° 39'	30	0331	5.26	6.36	6.98	5.78	4.04	2.79	31.21	-	-	-	-	-	-	-	5/57	5/78	
Boonville 2 SSW 43° 27', 75° 21'	30	0785	5.23	5.92	6.47	5.36	3.40	2.69	29.07	-	-	-	-	-	-	-	5/50	10/73	
Canton 4 SE (Canton 3 SE) 44° 34', 75° 07'	30	1185	5.83	7.33	6.93	5.57	3.65	2.65	31.96	-	-	-	-	-	-	-	7/62	9/79	
Dowmesville Dam 42° 05', 74° 58'	30	2169	4.66	5.09	5.51	4.88	3.32	2.15	25.61	-	-	-	-	-	-	-	5/59	10/79	
Geneva Res Farm (or Exp Sta) 42° 53', 77° 02'	30	3184	4	5.59	6.70	7.60	6.03	4.10	2.73	32.75	-	-	-	-	-	-	5/61	10/79	
Greenport Power House 41° 06', 72° 22'	30	3464	5	5.50	6.18	5.20	3.95	3.30	2.9	-	-	-	-	-	-	-	6/59	10/79	
Lockport 4 NE 43° 12', 78° 38'	30	4849	4	4.77	5.87	6.42	5.40	3.68	2.35	25.62	-	-	-	-	-	-	6/61	10/79	
Mineola 1 W 40° 44', 73° 38'	30	5377	3	4.82	6.31	7.19	8.00	6.73	5.32	3.74	2	37.29	-	-	-	-	4/56	10/67	
Mt. Pleasant Farm 42° 27', 76° 22'	30	5604	5.09	5.90	6.35	5.49	3.83	2.55	29.21	-	-	-	-	-	-	-	5/57	10/77	
New York Central Park 40° 47', 73° 58'	30	5801	4.11	5.06	6.02	7.86	5.88	4	3.01	2	32	-	-	-	-	-	4/44	10/58	

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<b>NEW YORK (continued)</b>																				
Voorheesville, 42° 39', 73° 54'	30	None					5.05 ***	5.57 ***	6.16 ***	5.20 ***	3.52 ***	2.30 ***		27.80 ***	-	-	-	8/17	10/41	
<b>NORTH CAROLINA</b>																				
Cataloochee, 35° 37', 83° 06'	31	1564					3.58 ***	3.86 ***	4.08 ***	4.14 ***	3.94 ***	2.88 ***	2.39 ***		21.39 ***	-	-	-	4/66	10/79
Chapel Hill 2 W (Chapel Hill)	31	1677	1.55	1.84	3.58	4.85	5.60	6.14	6.20	5.64	4.48	3.15	1.99	1.43	31.21	15.24	-	46.45	4/21	10/79
Lumberton 6 NW, 34° 42', 79° 04'	31	5177	2.52	2.78	4.83	6.65	7.23	7.42	7.63	6.86	5.23	4.24	2.77	1.96	38.61	21.51	-	60.12	1/62	11/79
Maysville, (Hoffman Forest) 34° 50', 77° 18'	31	5420	1.81	2.57	3.97	5.65	6.55	6.54	6.88	6.16	4.54	3.35	2.24	1.58	34.02	17.82	-	51.84	1/50	12/79
Murphy, 35° 04', 84° 00'	31	6001	1.09	1.46	2.90	4.19	5.16	5.57	5.07	5.05	3.87	2.77	1.60	1.02	27.49	12.26	-	39.75	12/34	7/76
W. Kerr Scott Reservoir 36° 08', 81° 14'	31	9555					5 ***	5.42 ***	5.91 ***	5.91 ***	5.53 ***	4.19 ***	3.21 ***	2 ***	30.17 ***	-	-	-	5/65	10/79
<b>NORTH DAKOTA</b>																				
Gairington 4 N 47° 31', 99° 07'	32	1362					8.15 ***	8.46 ***	8.70 ***	8.20 ***	6.15 ***	4 ***	4.3 ***	-	-	-	-	5/67	9/79	
Devils Lake KDLR (or WB city)	32	2158					3.57 ***	6.08 ***	6.00 ***	6.34 ***	6.17 ***	3.96 ***	3 ***	32 ***	-	-	-	5/51	10/70	
Eagleley Exp Farm 46° 20', 98° 42'	32	2482					4.35 ***	6.66 ***	6.98 ***	7.78 ***	7.55 ***	3.88 ***	3.88 ***	-	37.20 ***	-	-	9/50	7/69	

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<b>NORTH DAKOTA (continued)</b>																				
Fargo WSO AP 46° 54', 96° 48'	32	2859					7.25	7.73	8.87	7.76	5.36	4		41	-	-	-	4/63	9/79	
Riverdale 47° 30', 101° 21'	32	7585					6	7.31	7.81	9.09	8.69	6.03	4.15		43.08	-	-	7/49	9/79	
Williston 48° 08', 103° 45'	32	9430					7	28	30	31	31	30	15		****	****	****			
<b>OHIO</b>																				
Charles Mill Lake (or Dam) 40° 44', 82° 22'	33	1466					3.59	4.98	5.90	6.21	5.48	4.01	2.65		29.23	-	-	4/39	10/79	
Columbus University Farm 40° 00', 83° 03'	33	1782					5	5.69	6.83	7.27	6.23	4.76	3.29		34.07	-	-	4/58	10/70	
Columbus (Ohio State Univ) 40° 00', 83° 00'	33	1788					3.33	4.45	5.29	5.66	4.79	3.53	2.14		25.86	-	-	6/18	11/55	
Coshocton Agrie. Resch Station 40° 22', 81° 48'	33	1905					4.99	6.01	6.71	7.05	6.21	4.72	3.59		34.29	-	-	4/56	9/79	
Dayton 39° 45', 84° 10'	33	2067					4.04	5.65	6.77	7.06	6.20	4.63	2.86		33.17	-	-	4/37	10/69	
Deer Creek 39° 30', 83° 13'	33	2090					5	6	7	6.63	6	3.67	3		32	-	-	6/70	11/79	
Senecaville Lake (or Dam) 39° 55', 81° 26'	33	7559					4.35	5.32	6.32	6.35	5.73	4.30	2.99		31.21	-	-	4/39	10/79	
Tom Jenkins Lake 39° 33', 82° 04'	33	8378					4	5.08	5.39	5.45	4.72	3.61	2.52	1	26.77	-	-	7/53	11/79	

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0110 (continued)																				
Wooster Exp Station 40° 47', 81° 36'	33	9312				4.03	5.23	6.31	6.80	5.81	4.35	2.71		31.21	-	-	-	7/16	10/79	
<u>OKLAHOMA</u>																				
Altus Dam 34° 53', 99° 18'	34	0184	3.89	5.73	8.23	9.71	11.43	12.29	11.48	8.14	6.47	4.65	4	59.52	-	-	-	3/48	10/79	
****	****	****	12	24	30	28	31	30	30	26	24	14	9	****	****	****	****			
Arksa Dam 34° 27', 96° 04'	34	0394				7.75	7.60	8.78	10.53	9.82	6.98	5.67	3.92	49.38	-	-	-	6/63	11/79	
Broken Arrow Dam 34° 08', 94° 42'	34	1168	3	4.79	6.15	7.12	8.12	8.92	8.40	5.91	4.66	2.95	2.01	43.13	-	-	-	9/64	10/79	
Canton Dam 36° 05', 98° 36'	34	1445	3	4.00	6.71	7.96	8.40	9.98	11.53	10.93	8.23	6.06	4.03	2.48	55.13	27.75	-	82.88	3/48	7/79
****	****	****	6	10	22	29	32	31	31	31	30	23	12	****	****	****	****			
Chickasha Exp Station 35° 03', 97° 55'	34	1750				9.38	11.27	11.79	10.33	7.45	5.56	4	55.78	-	-	-	6/53	10/79		
Fort Gibson Dam 35° 52', 95° 14'	34	3286	2.00	2.87	4.73	6.43	7.14	8.60	9.25	8.77	6.51	5.06	3.26	2.23	44.27	21.52	-	65.79	3/48	7/79
****	****	****	21	26	30	32	32	32	31	31	31	30	24	****	****	****	****			
Fort Supply Dam 36° 33', 99° 35'	34	3304	3	6	6.87	9.26	9.92	11.99	12.77	11.87	9.01	6.58	4.36	2.72	62.14	32	-	94	7/40	12/79
****	****	****	6	8	18	31	39	39	40	40	40	39	23	11	****	12	****			
Goodwell Research Station 36° 31', 101° 37'	34	3628				10	11.51	13.33	14.46	12.07	9.42	7.33	68.12	-	-	-	4/48	9/79		
****	****	****	9	24	29	31	31	31	31	30	20	25	22	****	****	****	****			
Grand River Dam 36° 28', 95° 03'	34	3700	5.21	6.98	7.33	8.94	9.63	9.22	6.84	5.05	3.29	2.00	47.01	-	-	-	4/41	11/77		
****	****	****	12	25	30	34	35	36	35	36	36	16	10	****	****	****	****			
Great Salt Plains Dam 36° 45', 98° 08'	34	3740	6.26	7.38	9.06	11.52	13.05	11.80	8.45	6.42	3.93	67.68	-	-	-	3/48	10/79			
****	****	****	12	24	29	29	30	30	31	30	30	14	20	22	****	****	****			

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<b>OKLAHOMA (continued)</b>																			
Hayburn Dam 35° 57', 96° 17'	34	4098	5.13 11	6.90 12	6.57 13	8.05 13	8.94 14	8.26 14	6.57 14	4.86 11	2.99 6	4.32 6	4.75 11	3.11 11	1.76 11	1 9	21.96 8	-	4/49 11/64
Keystone Dam 36° 09', 96° 15'	34	4812	5 9	6.73 18	6.83 17	8.77 20	9.77 19	8.89 20	6.16 21	5.04 19	3.27 13	45.46 13	-	-	-	-	-	9/59 10/79	
Lake Overholser 35° 29', 97° 40'	34	4978			6.15 20	7.60 23	8.60 24	9.45 25	8.71 26	6.44 25	4.67 23	45.47 23	-	-	-	-	-	4/52 8/79	
Norman University 35° 13', 97° 26'	34	6391	5.19 12	5.90 18	6.57 19	9.03 18	9.15 18	8.70 18	6.81 19	4.72 18	2.69 13	44.98 13	-	-	-	-	-	5/37 6/56	
Oologah Dam 36° 26', 95° 41'	34	6729	3 8	5.52 33	7.06 29	8.22 17	9.04 15	11.57 22	10.30 22	7.00 24	5.52 23	3.26 19	2 8	51.65 10	-	-	-	8/56 8/79	
Stillwater 2 W 36° 07', 97° 05'	34	8501			7.78 14	8.13 24	9.80 27	11.20 29	10.00 28	7.68 27	5.93 27	4 7	52.74 16	-	-	-	-	6/48 10/79	
Tenkkiller Ferry Dam 35° 36', 95° 03'	34	8769	4.72 22	5.92 30	6.51 31	7.64 30	8.79 30	8.33 30	6.04 30	4.51 29	2.91 26	1.68 15	41.82 15	-	-	-	-	4/49 6/79	
Tipton 4 S 34° 26', 99° 08'	34	8879	3 7	4.14 10	6.55 28	8.56 39	10.01 39	12.35 40	13.12 41	11.80 41	8.94 38	6.50 29	3.94 13	3.33 11	62.62 40	29.46 26	-	92.08 7/38 10/78	
Wister Dam 34° 56', 94° 43'	34	9724	2.52 11	2.65 19	4.73 25	5.89 26	6.38 28	7.78 28	8.46 27	7.67 27	5.79 26	4.35 26	2.93 18	2.27 18	40.43 18	20.99 16	-	61.42 1/48 6/79	
Woodward Field Station 36° 25', 99° 24'	34	9762			6.75 30	7.78 31	9.40 31	10.74 31	9.63 31	7.09 31	-	-	-	-	51.39	-	4/48 6/79		
<b>OREGON</b>																			
Astoria Exp Station 46° 09', 123° 49'	35	0318	1 6	1.05 11	1.64 11	2.34 10	3.92 11	4.10 11	4.75 11	4.32 11	3.11 11	1.76 11	1 9	21.96 8	-	-	30 1/49 10/73		

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<b>OREGON (continued)</b>																						
Corvallis State College 44° 38', 123° 12'	35	1862					3.10	4.51	5.50	7.34	6.55	4.36	2.11		30.37	-	-	-	10/17	11/79		
Cottage Grove Dam 43° 43', 123° 03'	35	1902					2.23	3.08	4.85	5.82	7.98	6.86	4.59	2.22		32.22	-	-	-	8/43	8/78	
Detroit Dam 44° 43', 122° 15'	35	2292					1.95	2.70	4.67	6.20	8.26	6.79	4.44	2.20	1.80		32.56	-	-	-	1/56	10/79
Dorena Dam 43° 47', 122° 58'	35	2374					2.68	3.56	5.54	7.06	7.72	6.98	3.88	2.20		33.84	-	-	-	5/50	8/78	
Fern Ridge Dam 44° 07', 123° 18'	35	2867	0.36	0.90	2.02	3.13	5.10	6.18	8.29	8.29	7.07	4.81	2.12	1.14	0.37	33.57	7.92	-	41.49	8/43	11/79	
Lookout Point Dam 43° 55', 122° 46'	35	5050					2.81	3.48	5.04	6.25	8.07	7.27	4.87	2.59		34.09	-	-	-	5/56	10/79	
Malheur Branch Exp Station 43° 39', 117° 01'	35	5160					5.18	7.03	8.42	10.79	8.99	5.58	2.52			43.33	-	-	-	4/49	10/79	
Malheur Refuge Headquarters 43° 17', 118° 50'	35	5162															-	35.50	-	5/61	9/79	
Medford Exp Station 41° 18', 122° 52'	35	5424	0.63	1.07	2.36	3.77	5.62	6.91	8.71	7.22	4.54	1.98	0.78	0.56	34.98	9.17	-	44.15	9/37	10/79		
Moro 45° 29', 120° 43'	35	5734					5.20	7.69	9.93	12.67	11.26	6.93	3.60			52.08	-	-	-	4/57	10/79	
N. Willamette Exp Station 45° 17', 122° 45'	35	6151	1	1.44	2.65	3.49	5.75	6.68	8.16	7.19	5.07	2.63	1.14	1	35.48	11	-	46	2/63	11/79		

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Annual Begun Mo/Yr	Record Begun Mo/Yr	Latest Data Mo/Yr			
<b>OREGON (continued)</b>																								
Pelton Dam 44° 44', 121° 14'	35	6532				4.71	6.79	8.41	10.21	8.31	5.39	2.59			41.70	-	-	-	6/57	5/74				
			16	16	16	14	12	11	8	11	8	13		15	16	15								
Summer Lake 1 S 42° 54', 120° 49'	35	8173				7.49	8.87	11.21	9.71	6.58	3.48			47.34	-	-	-	5/61	10/79					
			19	19	19	15	12	10	12	8	15		19	19	19	19								
Warm Springs Reservoir 43° 34', 118° 12'	35	9046				5.23	7.63	8.94	12.15	10.66	6.82	3.69		48	47	47	16			5/27	9/74			
			29	47	48	17	14	9	12	12	12		14	14	12	12								
Wickiup Dam 43° 41', 121° 41'	35	9316				4	5.66	6.79	8.54	7.05	4.88	2.55		39	39	39	18			5/41	10/79			
			5	39	39	12	12	10	13	10	13		39	39	39	18								
<b>PENNSYLVANIA</b>																								
Bellefonte 4 S 40° 51', 77° 47'	36	530				7	7.15	7.55	6.28	4.84	3			9	10	11	12	11	5	36	-	-	6/56	9/73
						****	8	11	11	11	11		11	11	11	11	11	11	11	11	11	11	11	
Confluence 39° 48', 79° 22'	36	1705				3.74	4.80	5.43	5.53	4.63	3.47	1.37		30	31	31	30	26	12	13	13	13	13	13
						30	31	31	31	31	31		12	13	8	12	9	12	13	13	13	13	13	
Ford City 4 S Dam 40° 43', 79° 30'	36	2942				4.89	5.32	5.85	4.90	3.56	2.29			30	31	31	31	31	30	13	13	13	13	13
						13	13	9	13	9	13		13	13	9	13	9	14	13	13	13	13	13	
Francis E. Walter 41° 07', 75° 44'	36	3018				5.58	5.85	6.37	5.30	3.84				16	17	17	17	17	17	17	17	17	17	17
						16	17	17	17	17	17		16	17	17	17	17	17	17	17	17	17	17	
Jamestown 2 NW 41° 30', 80° 28'	36	4325				4.29	4.58	5.58	4.70	3.17	2.34			23	37	37	37	39	18					
						14	8	11	12	12	10		14	8	11	12	10	10	24	10	24	10	24	10
Landsville 2 NW 40° 07', 76° 26'	36	4778				5.74	6.61	7.17	5.91	4.31	2.89			19	25	27	28	28	20	12	10	10	10	10
			14	8	11	11	12	12	12	10	10		14	8	11	11	12	10	24	10	24	10	24	
																		32.63	-	-	-	5/52	10/79	

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Other Season ***	Annual ***	Record began Mo/Yr
<u>RHODE ISLAND</u>																			
Kingston 41° 29', 71° 32'	37	4266				4.91	5.33	5.67	4.95	3.73	2.84			27.43	-	-	-	4/57 10/79	
			21	23	23	21	23	23	23	23	22	8	11	17	6				
<u>SOUTH CAROLINA</u>																			
Blackville 33° 22', 81° 19'	38	764	2.37	2.80	4.44	6.02	6.53	7.00	7.09	6.18	4.74	4.03	2.75	2.25	35.57	20.63	-	56.20 10/63	
			12	13	16	16	16	16	15	15	16	17	15	17	15	17	15	12/79 ***	
Charleston City 32° 54', 80° 02'	38	1544	2.58	3.22	5.27	6.54	7.20	7.24	7.54	6.59	5.38	4.58	3.22	2.45	38.53	23.28	-	61.81 2/59 12/79	
Clark Hill Dam 33° 40', 82° 11'	38	1726	1.90	2.37	3.79	5.36	6.30	7.08	6.97	6.53	5.04	3.83	2.48	1.87	35.75	17.77	-	53.52 8/52 11/79	
Clemson University 34° 41', 82° 49'	38	1770	1.92	2.51	4.07	5.54	6.24	6.69	6.86	6.31	4.77	3.66	2.54	1.78	34.53	18.36	-	52.89 1/49 11/79	
			25	25	30	31	31	31	31	30	29	30	29	24	24	24	24		
Reinbow Lake 35° 07', 81° 58'	38	7113				5.22	5.83	6.48	6.67	6.13	4.59	3.39			38.31	-	-	5/65 10/77	
			12	13	9	12	8	8	9	6	12	14	13	4	5	5	3		
Union 7 SW 34° 39', 81° 45'	38	8786	1.68	2.17	3.58	5.25	6.28	6.62	6.94	6.40	4.71	3.42	2.07	1.50	34.37	16.25	-	50.62 7/49 12/55	
			13	15	15	15	14	14	15	15	15	15	15	15	15	15	15	****	
<u>SOUTH DAKOTA</u>																			
Angostura Dam 43° 21', 103° 26'	39	217				7.38	8.52	10.35	9.80	6.94	4.59			47.58	-	-	-	4/49 9/70	
			21	22	21	21	22	21	22	22	19				7	7			
Brookings 44° 19', 96° 46'	39	1076				7.86	8.56	9.34	8.73	6.15				-	-	40.64	-	4/53 9/79	
Cottonwood 43° 58', 101° 52'	39	1972				6.25	7.55	8.84	10.73	10.37	8.06	5.34		57.14	-	-	-	5/53 10/79	
			15	23	25	25	24	25	25	23	15			32	32	32	32	****	

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

		State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<b>SOUTH DAKOTA (continued)</b>																					
Madison Research Sta 44° 02', 97° 10'	39	5090		5.17 14 ****	7.86 18 ****	9.14 16 ****	9.52 17 ****	8.23 18 ****	5.55 18 ****	3.96 16 ****					44.26	-	-	-	6/62	10/79	
Newell 2 NW 44° 43', 103° 25'	39	6054		5.12 22 ****	7.04 25 ****	7.86 25 ****	10.06 25 ****	9.75 25 ****	6.48 25 ****	5.06 13 ****					46.25	-	-	-	4/49	10/75	
Oahe Dam 44° 27', 100° 25'	39	6170		5.57 16 ****	8.79 16 ****	9.06 19 ****	11.05 19 ****	10.31 19 ****	7.37 20 ****	5.04 15 ****					51.62	-	-	-	9/60	10/79	
Pactola Dam 44° 04', 103° 29'	39	6427		4.35 22 ****	5.83 23 ****	6.49 24 ****	4.43 24 ****	4.23 23 ****	2.72 13 ****					29.05	-	-	-	4/55	9/79		
Pickstown 43° 04', 98° 32'	39	6574		5.22 11 ****	7.45 26 ****	8.34 26 ****	10.38 26 ****	9.12 26 ****	6.00 26 ****	4.31 23 ****					45.60	-	-	-	9/50	10/79	
Redfield 6 E 44° 53', 98° 23'	39	7052		7.35 25 ****	7.56 28 ****	9.28 29 ****	8.19 29 ****	8.19 29 ****	5.96 28 ****	3.69 10 ****					42.03	-	-	-	6/49	4/78	
Shadehill Dam 45° 46', 102° 12'	39	7567		5.19 16 ****	7.48 22 ****	8.20 23 ****	9.96 25 ****	9.42 24 ****	6.51 26 ****	4.30 25 ****					45.87	-	-	-	8/50	10/76	
Sioux Falls WSD 43° 34', 96° 44'	39	7667		8.01 15 ****	9.10 15 ****	11.61 15 ****	8.74 15 ****	5.96 15 ****						-	-	43.42	-	-	5/65	9/79	
<b>TENNESSEE</b>																					
Center Hill Dam 36° 06', 85° 49'	40	1569	2.00 10 ****	2.39 11 ****	3.80 13 ****	5.13 21 ****	6.27 10 ****	7.07 9 ****	7.26 9 ****	6.73 12 ****	5.57 12 ****	3.69 15 ****	2.27 15 ****		36.59	-	-	-	1/49	11/62	
Jackson Exp 35° 27', 88° 55'	40	4561				5.94 19 ****	7.16 19 ****	7.83 18 ****	7.84 18 ****	6.96 18 ****	5.30 18 ****	4.33 14 ****			39.42	-	-	-	5/61	10/79	
Jefferson City 36° 07', 85° 27'	40	4609	1.07 27 ****	1.49 28 ****	3.00 37 ****	4.34 38 ****	5.22 38 ****	5.82 38 ****	6.02 38 ****	5.32 38 ****	4.11 38 ****	2.74 38 ****	1.53 29 ****	1.04 29 ****	29.23	12.47	-	41.70	12/41	12/79	

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		Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct	Nov- Dec	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<b>TENNESSEE (continued)</b>																				
Knoxville	40	4946					5.38	5.93	6.60	6.82	6.31	4.36			-	-	35.40	-	5/66	10/79
35° 53', 83° 57'							12	13	12	13	13	14								
Neptune 3 S 36° 19', 87° 11'	40	6454		2.11	3.26	4.69	5.57	6.36	6.66	5.92	3.41	3.27	2.04	1.42	31.19	-	-	10/36	11/48	
				21	29	32	34	34	34	34	34	34	30	22						
Paris 5 E 36° 19', 88° 41'	40	6977	1.36	1.82	3.13	4.59	5.33	6.14	6.55	6.19	5.00	3.33	2.08	1.26	32.74	14.24	-	46.98	1/49 11/65	
			15	16	17	17	17	17	17	17	17	17	17	16						
Selmer	40	8160					4.92	5.44	5.99	5.98	4	3.97			31	-	-	9/62	7/72	
35° 10', 88° 37'							10	10	10	10	9	10								
<b>TEXAS</b>																				
Austin	41	428	2.90	3.62	5.43	6.30	7.29	8.79	9.84	9.76	7.11	5.69	3.67	2.81	49.09	24.73	-	73.82	4/16 12/79	
30° 18', 97° 42'			58	62	63	63	63	64	63	62	63	64	62	62						
Balmorhea	41	498	2.86	3.81	6.55	8.26	9.04	10.16	9.77	9.03	6.93	5.23	3.73	2.87	50.16	28.08	-	78.24	2/40 12/55	
30° 59', 103° 45'			16	16	16	16	16	16	16	16	16	16	16	15						
Beaeville	41	639	3.36	3.66	5.13	5.93	6.84	7.75	8.47	8.18	6.30	5.43	4.17	3.57	42.97	25.82	-	68.79	1/49 12/79	
28° 27', 97° 42'			29	30	30	31	31	31	30	31	31	31	31	31						
Belton Dam	41	665	2.86	3.68	5.70	6.40	7.46	9.35	10.84	10.25	7.61	5.60	3.52	2.84	51.11	25.00	-	76.11	7/53 12/79	
31° 06', 97° 29'			21	24	26	26	26	26	27	26	27	27	27	24						
Benbrook Dam	41	691	2.82	4.03	6.56	7.50	8.63	10.73	12.56	11.53	8.56	6.55	4.09	3.17	58.26	28.17	-	86.73	7/53 11/79	
32° 39', 97° 27'			20	24	26	26	26	26	27	27	27	27	27	23						
Dalingerfield	41	2225	2.61	3.35	5.60	6.99	8.38	9.33	10.14	9.74	7.07	5.58	3.56	2.82	50.24	24.93	-	75.17	7/59 12/79	
9 S 32° 55', 94° 43'			17	19	20	20	20	20	21	20	20	21	21	19						
Dannison Dam	41	2394	2.71	3.53	5.86	7.15	7.88	9.90	10.88	10.26	7.22	5.63	3.92	2.61	51.77	25.78	-	77.55	10/40 12/79	
33° 49', 96° 34'			29	36	38	39	39	39	39	39	39	39	36	33						

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<b>TEXAS (continued)</b>																				
Mallory 28° 40', 99° 10'	41	2458	2.93	3.74	6.26	7.64	8.73	10.09	10.81	10.19	7.42	5.54	3.65	2.72	52.78	26.94	-	79.72	6/28	12/79
Port Stockton 2 NE 30° 52', 102° 54'	41	3280	4.03	5.14	9.26	10.88	12.28	14.27	13.77	12.47	9.22	7.20	5.04	4.21	69.21	38.56	-	107.77	5/40	3/61
Grand Falls 31° 48', 102° 50'	41	3680	3.39	5.02	9.19	11.41	13	14	14	13	9	7.13	4.73	3	37	70	-	107	2/40	7/54
Grapevine Dam, 32° 58', 97° 03'	41	3691	3.17	3.97	6.56	7.51	8.70	10.65	12.29	11.42	8.31	6.48	4.17	3.24	57.85	28.62	-	86.47	8/53	11/79
Hards Creek Dam, 31° 51', 99° 34'	41	4278	4.12	5.18	8.10	9.60	10.24	12.19	13.51	12.27	9.23	7.32	4.87	4.10	64.76	35.97	-	100.73	7/53	10/79
Lavon 33° 02', 96° 29'	41	5094	2.83	4.03	6.25	7.35	7.23	10.28	11.54	10.58	8.05	6.33	4.13	3.05	54.01	27.64	-	81.65	7/53	10/79
Mansfield Dam, 32° 34', 97° 09'	41	5561	2.71	3.44	5.20	6.32	7.16	8.56	10.56	10.26	7.40	5.45	3.65	2.90	49.49	24.22	-	73.71	1/49	6/64
McCook 29° 30', 98° 23'	41	5721	4.18	5.07	8.01	8.86	9.18	10.43	11.37	11.69	8.94	7.37	5.70	4.53	59.58	36.35	-	95.93	1/63	12/79
Mount Locke 30° 40', 104° 00'	41	6104	3.96	4.43	6.89	8.15	8.60	8.74	6.98	6.61	5.80	5.33	3.96	4	42.06	31	-	73	8/68	12/79
Navarro Mills Dam 31° 57', 96° 42'	41	6210	3	4.09	6.42	7.33	8.31	10.06	11.68	10.77	7.69	6.42	4.17	3.09	54.93	28	-	83	3/63	11/79
Point Comfort 28° 40', 96° 33'	41	7140	3.08	3.85	5.53	6.51	8.53	9.92	10.76	9.88	7.46	6.46	4.37	3.40	53.01	26.74	-	79.75	11/57	12/79

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

Texas (continued)		State No.*	Station Index	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct	Nov-Apr	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
Proctor Res	41	7300	3.87	6.00	7.47	8.66	9.18	11.37	12.90	11.26	7.82	6.49	4.42	3.67	59.02	34.09	-	93.11	6/63	10/79	
31° 58', 98° 30'		12	10	15	16	16	17	17	17	17	17	17	14	13	****	****	****	****	****	****	
Red Bluff Dam	41	7481	3.80	5.17	8.53	11.47	13.63	14.58	14.01	12.54	9.50	6.59	4.49	3.62	70.85	37.18	-	108.03	11/39	10/79	
31° 54', 100° 29'		32	36	37	35	34	36	34	35	33	35	35	32	23	7	16	-	7	-	-	
Rio Grande City 3 W	41	7622	3.22	4.34	6.58	8.14	8.56	10.08	11.31	11.11	7.76	6.07	4.03	3.09	53.22	29.40	-	82.62	7/62	12/79	
26° 23', 98° 32'		17	17	17	16	17	16	16	18	17	17	18	17	17	****	****	****	****	****	****	
Sam Rayburn Dam	41	7936	3	4	5.21	6.27	7.31	8.09	8.32	7.78	6.06	5.35	3.92	3	42.91	25	-	68	1/68	11/79	
31° 04', 94° 06'		8	9	12	12	12	12	12	12	12	12	12	12	9	****	****	****	****	****	****	
Summerville Dam	41	8446	2.74	3.56	5.36	6.09	7.18	8.88	9.98	8.99	6.57	5.49	3.83	2.73	47.09	24.31	-	71.40	1/65	12/79	
30° 20', 96° 32'		12	13	15	14	15	14	15	14	15	15	15	15	13	****	****	****	****	****	****	
Spur 1 WNW	41	8566	2.67	3.39	5.76	7.13	8.12	9.40	9.84	8.97	6.80	5.20	3.58	2.68	48.33	25.21	-	73.54	1/22	3/64	
33° 29', 100° 53'		33	37	37	36	36	36	36	35	35	36	36	35	32	****	****	****	****	****	****	
Stillhouse Hollow Dam	41	8646	3.18	4.08	5.95	6.98	7.57	9.71	11.32	10.17	7.08	5.97	4.07	3.00	51.82	27.26	-	79.08	1/58	12/79	
31° 02', 97° 32'		11	12	15	15	15	15	15	15	15	15	15	14	13	****	****	****	****	****	****	
Thompson's 3 WSW	41	9014	2.87	3.74	4.89	5.79	7.26	7.80	7.76	7.26	5.92	5.25	4.24	2.96	41.25	24.49	-	65.74	7/57	12/79	
29° 29', 95° 38'		16	22	22	22	22	22	22	23	23	23	23	21	22	****	****	****	****	****	****	
Waco Dam	41	9417	3	4.28	6.43	7.30	8.02	10.40	12.09	11.08	8.03	6.52	4.46	3.35	56.14	29	-	85	3/65	11/79	
31° 26', 97° 13'		7	12	13	15	15	15	15	15	15	15	15	14	11	****	****	****	****	****	****	
Weslaco 2 E	41	9588	3.41	3.99	6.06	7.51	8.42	9.18	10.35	9.54	7.55	6.00	4.34	3.33	51.04	28.64	-	79.68	1/49	12/79	
26° 09', 97° 58'		30	30	30	29	30	30	30	30	29	29	27	27	28	****	****	****	****	****	****	
Whitney Dam	41	9715	2.95	3.88	6.05	7.20	8.46	10.65	12.39	11.38	8.33	6.24	4.02	3.12	57.45	27.22	-	84.67	7/53	12/75	
31° 51', 97° 22'		21	24	26	26	26	26	26	27	27	27	27	25	21	10	13	10	10	10	10	

\* Mean line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS).

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Non- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr	
<b>TEXAS (continued)</b>																					
Winter Haven Exp Station	41	9842	2.81 11 ****	3.68 12 ****	5.67 10 ****	7.30 9 ****	10 9 ****	12 9 ****	12.67 10 ****	12 9 ****	8.22 10 ****	5.92 11 ****	3.79 10 ****	2.83 9 ****	61	26.08 ****	-	87	3/49	3/64	
Valletra	41	9996	3.57 40 17	5.04 41 9	8.43 41 16	11.40 41 5	13.49 41 6	14.79 41 5	13.04 41 9	11.13 41 27	9.09 41 9	6.68 41 27	4.36 39 9	3.32 40 12	68.22 60 14	36.12 40 12	-	104.34	2/39	12/79	
<b>UTAH</b>																					
Fish Springs Refuge	42	2852																	-	1/62	9/79
Flaming Gorge	42	2864																	-	5/58	9/79
Green River Aviation	42	3418																	-	4/56	10/79
Cummins	42	3514																	-	5/62	9/79
Logan Utah State Exp Sta	42	5190																	-	9/50	8/78
Moab 4 NW	42	5733																	-	3/58	10/79
Mexican Hat	42	5582																	-	11/57	10/79
Moon Lake	42	5815																	-	8/41	9/55
Piute Dam	42	6897																	-	5/18	10/70

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (CINCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct	Nov-Apr	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<b>UTAH (continued)</b>																				
Provo Dam 40° 13', 111° 18'	42	7068				6.82 ***	6.30 ***	7.37 17	7.83 17	6.85 17	4.94 17	2.88 17		36.17	-	-	-	5/18	9/60	
Saltair Salt Plant 40° 46', 112° 06'	42	7578				6.70 22	9.50 24	12.26 24	14.71 24	12.87 24	8.86 21	12.37 6	2	70.57	-	-	-	3/56	10/79	
Strawberry Reservoir 40° 10', 111° 11'	42	8376				6 ***	7.43 6	8.00 14	7.30 18	5.20 18	3.35 12			37	-	-	-	6/56	8/77	
Utah Lake, LEHI 40° 22', 111° 54'	42	8973				3.11 42	5.57 54	8.11 60	9.60 60	10.59 60	9.23 60	6.76 55	3.95 39				-	5/23	10/79	
Wanship Dam 40° 47', 111° 24"	42	9165				7 ***	6.89 9	7.36 19	5.64 18	4.84 18	3			35	-	-	-	6/56	6/74	
<b>VERMONT</b>																				
Essex Junction 44° 31', 73° 07'	43	2843				4.92 ***	5.67 16	6.46 17	5.00 16	3.43 17	2.29 12			27.77	-	-	-	6/63	9/79	
<b>VIRGINIA</b>																				
Charlottesville 1W 38° 02', 78° 31'	44	1598				6.13 12	6.86 11	6.97 14	5.84 13	4.53 11	3.38 13			33.71	-	-	-	8/51	8/66	
Holland 1E 36° 41', 76° 47'	44	4044				6.16 21	7.05 28	7.58 28	7.61 28	6.72 27	5.14 27	3.95 27					-	5/50	4/78	
John H. Kerr Dam 36° 36', 78° 17'	44	4414				5.27 19	6.22 23	6.81 25	7.20 24	6.12 22	4.87 24	3.37 13		34.59	-	-	-	10/53	9/79	
Marion Evap Station 36° 49', 81° 31'	44	5271				4.64 9	4.98 9	5.25 9	5.21 9	4.98 9	3.61 9	2.76 9		26.79	-	-	-	4/71	10/79	

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Other Season ***	Annual ****	Record Began Mo/Yr	Latest Data Mo/Yr
<b>VIRGINIA (continued)</b>																				
Philipot Dam 2 36° 47', 80° 02'	44	6692				4.34	4.83	5.02	5.30	5.08	3.82	2.72		26.77	-	-	-	9/53	10/79	
Sterling Test Lab 38° 59', 77° 29'	44	8084				5.03	6.53	7.34	7.53	7.10	5.08		33.58	-	-	-	5/61	10/70		
<b>WASHINGTON</b>																				
Bumping Lake 46° 52', 121° 18'	45	969					4.42	5.92	5.17	3.31				-	-	18.82	-	6/49	9/66	
Eltopia 46° 24', 119° 10'	45	2540				5.43	6.61	7.74	9.03	7.41	4.00	2.41		38.10	-	-	-	7/54	10/79	
Lake Kachess 47° 16', 121° 12'	45	4406				4.00	4.85	6.45	5.18	2.99	1.35		24.82	-	-	-	9/17	9/68		
Lind 3 NE 47° 00', 118° 35'	45	4679				5.77	8.08	9.88	12.58	10.62	7.19		-	-	54.12	-	4/49	9/79		
Moses Lake 3 E 47° 07', 119° 12'	45	5613				5.88	7.77	8.91	10.32	8.28	5.57	3		44	-	-	-	4/49	8/66	
Othello 5 E 46° 48', 119° 03'	45	6215				5.60	7.73	9.29	11.30	9.51	6.45	3.25		47.53	-	-	-	4/41	7/78	
Puyallup 2 W Exp Sta 47° 12', 122° 20'	45	6803				2.45	3.91	4.69	5.66	4.53	2.73	1.24	0.60		22.86	-	-	-	3/61	11/79
Quincy 47° 13', 119° 51'	45	6880				5.95	8.00	9.13	10.73	8.96	5.83	3.00		45.65	-	-	-	4/41	8/78	
Rimrock Teton Dam 46° 39', 121° 08'	45	7038				5.45	6.65	8.10	7.44	3.87	1.69		33.20	-	-	-	5/49	9/77		

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	Station No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct	Nov-Apr	Other Season ***	Annual **	Record Began Mo/Yr	Latest Data Mo/Yr
<b>WASHINGTON (continued)</b>																				
Seattle Maple Leaf 47° 42', 122° 19'	45	7463	1.88 13	3.26 17	4.61 17	5.10 17	6.76 17	5.25 18	3.51 18	1.70 16	26.93	-	-	-	-	-	5/41	10/70		
Spokane WBAP 47° 38', 117° 32'	45	7938	4.85 12	7.47 14	9.11 14	11.90 14	10.66 14	6.34 14	3.51 14	1.70 14	26.93	-	-	-	50.33	-	5/66	9/79		
Walla Walla 3 W 46° 02', 118° 20'	45	8931	2.57 23	4.42 42	6.23 45	7.67 45	10.41 46	8.92 45	5.19 46	2.54 45	40.96	-	-	-	-	-	6/16	9/62		
Whitman Mission 46° 03', 118° 27'	45	9200	4.82 16	6.95 17	8.86 17	10.88 17	9.39 16	5.82 17	2.96 14	44.86	-	-	-	-	-	4/63	10/75			
<b>WEST VIRGINIA</b>																				
Bluestone Dam 37° 39', 80° 53'	46	939	3.95 27	4.91 27	5.43 27	5.78 27	4.94 27	3.76 27	2.53 27	1.38 12	27.35	-	-	-	-	-	10/52	10/79		
Hogsett Gallipolis Dam 38° 41', 82° 11'	46	4200	5.72 10	6.22 20	6.47 21	5.74 22	4.54 23	3.24 21	31.93	-	-	-	-	-	-	-	6/49	9/72		
Kearneysville 39° 23', 77° 53'	46	4763	5 9	5.60 14	5.81 13	6.87 14	6.00 13	4.40 14	3.08 13	31.76	-	-	-	-	-	-	4/65	10/79		
Parsons 39° 06', 79° 40'	46	6867	4 7	5.03 14	5.48 14	5.60 13	4.94 13	3.72 13	2.59 12	27.36	-	-	-	-	-	5/65	9/79			
Sutton Reservoir 38° 39', 80° 41'	46	8662	5.07 12	5.57 17	5.75 16	5.23 17	3.96 16	3 7	26	-	-	-	-	-	-	8/61	9/78			
Wardensville 39° 26', 78° 35'	46	9281	4.74 26	5.94 38	6.47 39	7.21 39	4.42 40	3.15 36	32.43	-	-	-	-	-	-	8/39	9/79			

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Began Mo/Yr	Record Data Mo/Yr
<b>WISCONSIN</b>																				
Arlington University Farm 43° 18', 89° 21'	47	308	7	7.50	8.17	6.77	4.81	3.21							37.46	-	-	-	6/65	10/79
Marsfield Exp Sta 44° 39', 90° 08'	47	5120	7	14	15	15	14	15	15	14	15	15	15	15	15	15	15	15	15	15
Rainbow Reservoir 45° 50', 89° 33'	47	6939	5.97	6.46	6.98	6.15	4.35	3.16							33.07	-	-	-	6/39	9/79
Trempealeau Dam 6# 44° 00', 91° 26'	47	8589	4.76	5.19	5.49	4.54	2.92	2.12							25.02	-	-	-	5/49	9/79
<b>WYOMING</b>																				
Anchor Dam 43° 40', 108° 50'	48	228	7.10	8.53	9.67	8.46	6.07								-	-	39.83	-	4/61	9/79
Archer 41° 09', 104° 39'	48	270	5	3.40	7.52	8.66	8.31	6.20	5					39	-	-	-	5/58	10/75	
Boysen Dam 43° 25', 108° 11'	48	1000	8	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
Farson 42° 07', 109° 27'	48	3170	7.38	8.69	10.53	9.50	6.23	3.72							46.05	-	-	-	4/49	8/79
Gillette 44° 17', 105° 28'	48	3855	10	6.78	7.72	9.75	9.69	6.35	2.16						-	-	44.54	-	6/50	9/73
Green River 41° 32', 109° 28'	48	4065	10	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
Heart Mountain 44° 41', 108° 57'	48	4411	9.14	10.22	12.22	10.53	7.36								42.45	-	-	-	6/58	10/79
			13	15	17	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			15	14	5	5	32	32	32	32	32	32	32	32	32	32	32	32	32	
			14	25	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)  
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH\*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Begun Mo/Yr	Latest Date Mo/Yr
<b>WYOMING (continued)</b>																			
Laramie 2 NW 41° 21', 105° 37'	48 5435	8.96	10.23	11.02	9.73	7.65	5	53	-	-	-	-	5/66	9/79					
Morton 1 NW 43° 13', 108° 48'	48 6470	9	12	13	13	12	5	****	****	****	****	****	****						
Pathfinder Dam 42° 28', 106° 51'	48 7105	6.10	7.07	9.88	7.57	5.17	-	-	-	-	35.79	-	5/51	9/68					
Sheridan Field Station 44° 50', 106° 50'	48 8160	5.45	6.94	8.62	10.54	9.69	7.33	5.44	48.56	-	-	-	5/49	8/79					
Whalen Dam 42° 15', 104° 38'	48 9604	5.99	7.85	9.06	10.63	9.53	6.61	4.81	48.49	-	-	-	4/49	10/79					

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-- Oct***	Nov-- Apr***	Annual***	Last Record Begun Mo/Yr	
<u>ALABAMA</u>																		
Birmingham WB Airport 33° 34', 86° 45'	1	831	1.79	2.40	4.06	5.86	7.23	7.14	7.13	6.68	5.45	3.93	2.60	1.90	37.57	18.60	56.18	1/56 12/70
Mobile WB Airport 30° 40', 88° 15'	1	5478	2.70	3.28	4.86	5.84	7.19	7.16	6.50	6.29	5.66	5.20	3.61	2.87	38.05	23.19	60.91	1/56 12/70
Montgomery WB Airport 32° 18', 86° 23'	1	5550	2.09	2.76	4.37	5.71	7.10	7.12	7.12	6.94	5.77	4.98	2.82	2.26	38.61	20.01	58.70	1/56 12/70
<u>ARIZONA</u>																		
Flagstaff WB Airport 35° 7', 111° 40'	2	3010	2	2	3	5	7	9	8	6	5	4	2.51	1.66	39	15	54	11/61 12/70
Phoenix WB Airport 33° 25', 112° 1'	2	6481	3.60	4.36	7.00	9.98	13.31	14.83	14.55	12.66	10.53	7.77	4.79	3.51	73.66	33.24	106.90	1/56 12/70
Tucson WB Airport 32° 7', 110° 55'	2	8820	4.64	5.15	7.72	10.85	13.77	15.21	13.08	11.52	10.74	8.69	5.70	4.38	72.94	38.44	111.45	1/56 12/70
Winslow WB Airport 35° 1', 110° 43'	2	9439	1.99	3.07	5.50	8.08	10.93	13.05	11.86	10.14	8.71	6.08	3.36	1.92	60.77	23.92	84.68	1/56 12/70
Yuma WB Airport 32° 40', 114° 36'	2	9660	5.24	5.73	8.49	11.36	14.27	15.55	15.85	14.33	11.86	8.87	5.89	4.82	80.73	41.64	122.45	1/56 12/70
<u>ARKANSAS</u>																		
Pt Smith Water PL 35° 38', 94° 8'	3	2578	1.84	2.15	3.74	5.46	6.61	7.18	8.01	7.70	5.46	4.05	2.55	1.85	39.03	17.59	56.61	1/56 12/70
Little Rock WB Airport 34° 43', 92° 13'	3	4248	1.92	2.40	4.18	5.51	6.94	7.97	8.03	7.20	5.52	4.15	2.63	1.97	39.81	18.61	58.42	1/56 12/70

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Began Mo/Yr	Last Mo/Yr
<b>CALIFORNIA</b>																			
Bakersfield WB Airport 35° 25', 119° 3'	4	442	1.96	2.61	4.68	6.66	9.73	12.26	13.48	12.05	9.13	6.19	3.20	1.75	62.84	20.86	83.71	1/56	12/70
Burbank Valley Pump 34° 10', 118° 21'	4	1194	3.52	3.57	4.81	5.67	6.25	7.30	9.16	8.32	7.12	5.41	4.04	3.63	43.56	25.25	68.81	1/56	12/65
Fresno WB Airport 36° 46', 119° 43'	4	3257	1.30	2.06	4.22	6.28	9.33	11.41	12.39	10.74	7.85	5.04	2.34	1.21	56.74	17.51	74.14	1/56	12/70
Long Beach WB Airport 33° 49', 118° 8'	4	5085	3.41	3.45	4.48	5.68	6.22	6.15	8.10	7.99	6.38	5.24	3.50	2.98	40.07	23.49	63.57	1/60	12/70
Los Angeles WB Airport 33° 55', 118° 22'	4	5114	3.54	3.63	5.10	5.77	6.65	6.36	7.82	7.29	6.07	5.27	3.96	3.55	39.87	25.52	65.48	1/56	12/70
Oakland WB Airport 37° 43', 122° 11'	4	6335	1.75	2.26	3.76	4.75	5.69	6.43	6.43	5.98	5.37	3.97	2.38	1.83	33.96	16.73	50.65	1/56	12/70
Red Bluff WB Airport 40° 8', 122° 15'	4	7292	2.51	2.94	4.52	6.91	9.57	12.65	13.46	11.79	9.14	6.24	3.24	2.25	62.96	22.51	85.47	1/56	12/70
Sacramento WB Airport 38° 31', 121° 30'	4	7630	1.26	2.15	3.73	5.85	8.31	10.73	11.31	10.10	7.68	5.02	2.32	1.22	53.19	16.54	69.86	1/56	12/70
San Diego WB Airport 32° 43', 117° 10'	4	7740	3.19	3.35	4.74	6.09	6.37	5.57	6.81	6.72	5.79	4.86	3.78	3.27	36.12	24.42	60.54	1/56	12/70
San Francisco WB Airport 37° 37', 122° 22'	4	7769	1.65	2.40	3.81	5.30	6.40	7.08	6.70	6.64	5.94	4.40	2.43	1.70	37.16	17.29	54.45	1/56	12/70
<b>COLORADO</b>																			
Colorado Springs WSO 38° 49', 104° 43'	5	1778	2.38	2.52	3.76	5.86	7.91	9.36	9.52	8.59	6.69	5.14	3.02	2.43	47.22	19.97	67.19	1/56	12/70

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II. -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr****	Annual***	Record Begun Mo/Yr	Last Data Mo/Yr
<b>COLORADO (continued)</b>																			
Denver WSO 39° 45', 104° 52'	5	2220	2.20	2.33	3.83	5.70	7.43	8.96	9.80	9.11	6.59	4.78	2.69	2.24	46.68	18.99	65.68	1/56	12/70
Grand Junction WSO 39° 7', 108° 31'	5	3488	1.86	2.11	4.26	6.60	9.89	12.49	12.98	11.10	8.20	5.37	2.53	1.34	60.10	18.70	78.78	1/56	12/70
Pueblo WSO 38° 16', 104° 31'	5	6740	2.00	2.44	4.17	7.04	9.11	10.82	11.09	9.72	7.35	5.28	2.96	2.27	53.37	20.88	74.19	1/56	12/70
<b>CONNECTICUT</b>																			
Bridgeport WSO 41° 10', 73° 7'	6	806	1.49	1.60	2.53	3.67	4.81	5.50	5.82	5.36	4.29	3.44	2.13	1.49	29.21	12.83	42.16	3/60	12/70
Hartford WSO 41° 55', 72° 40'	6	3456	1.10	1.33	2.46	4.28	5.68	6.07	6.43	5.83	3.83	2.74	1.70	1.07	30.59	11.94	42.53	1/56	12/70
<b>DELAWARE</b>																			
Wilmington WSO 39° 40', 75° 36'	7	9595	1.49	1.74	3.01	4.34	5.54	6.40	6.40	5.92	4.64	3.37	2.20	1.52	32.29	16.27	46.51	1/56	12/70
<b>FLORIDA</b>																			
Daytona Beach WB Airport 29° 10', 81° 4'	8	2158	3.32	3.88	5.19	6.86	7.53	7.04	7.11	6.71	5.89	5.30	4.04	3.20	39.58	26.49	66.07	1/56	12/70
Jacksonville WB Airport 30° 25', 81° 38'	8	4358	2.76	3.45	5.50	7.54	8.52	7.73	7.92	7.28	5.94	4.64	3.50	2.89	42.03	25.63	67.65	1/56	12/70
Key West WB Airport 24° 33', 81° 45'	8	4570	4.46	4.89	7.18	9.09	10.10	9	9.68	8.72	7.37	6.47	5.55	4.74	51	35.90	87	7/60	12/70

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\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Begn Mo/Yr	Last Data Mo/Yr
<b>FLORIDA (continued)</b>																			
Miami WSO 25° 48', 80° 16'	8	5663	4.28	4.84	6.59	7.84	7.85	6.96	8.03	7.68	6.00	5.78	4.83	4.27	42.30	32.67	74.97	1/56	12/70
Orlando WB Airport 28° 33', 81° 19'	8	6638	3.66	4.39	6.00	7.66	8.53	7.75	7.74	7.10	6.23	5.78	4.51	3.80	43.17	29.72	72.39	1/56	12/70
Tallahassee WB Airport 30° 22', 84° 22'	8	8758	2.50	2.88	4.63	5.94	7.01	6.96	6.36	6.20	5.47	4.87	3.24	2.57	36.87	21.75	58.57	2/56	12/70
Tampa WSO 27° 58', 82° 31'	8	8788	3.40	3.98	5.73	7.57	8.84	8.15	7.74	7.17	6.40	5.74	4.28	3.59	44.03	28.56	72.60	1/56	12/70
West Palm Beach WB Airport 26° 40', 80° 6'	8	9525	4.33	4.79	6.52	7.74	7.94	7.10	7.71	7.29	6.03	6.12	4.12	4.41	42.40	32.92	75.29	1/56	12/70
<b>GEORGIA</b>																			
Athens WB Airport 33° 56', 83° 19'	9	435	2.20	2.66	4.16	5.51	6.43	6.64	6.54	6.36	5.06	4.20	2.99	2.27	35.22	19.79	55.01	1/56	12/70
Atlanta WB Airport 33° 38', 84° 25'	9	451	2.12	2.73	4.28	5.78	7.03	7.10	7.07	6.70	5.22	4.14	2.89	2.26	37.25	20.15	57.13	1/56	12/70
Augusta WB Airport 33° 22', 81° 58'	9	495	2.18	2.75	4.25	5.66	6.27	6.62	6.49	6.31	5.07	4.19	3.00	2.29	34.96	20.13	55.09	1/56	12/70
Columbus WB Airport 32° 31', 84° 55'	9	2166	2.05	2.66	4.16	5.51	6.76	6.76	6.10	6.16	5.32	4.35	2.77	2.10	35.48	19.29	54.91	6/58	12/70
Macon WB Airport 32° 41', 83° 38'	9	5443	2.25	2.92	4.64	6.47	7.85	7.67	7.55	7.14	5.83	4.36	3.03	2.45	40.40	21.76	62.16	1/56	12/70
Savannah WB Airport 32° 7, 81° 11'	9	7847	2.30	2.87	4.76	6.70	7.62	7.51	7.79	6.83	5.67	4.45	3.06	2.60	39.87	22.22	61.82	1/56	12/70

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TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<b>IDAH0</b>																			
Boise WB Airport 43° 34', 116° 13'	10	1022	1.58	1.63	3.59	5.06	7.39	9.23	12.09	10.01	6.64	3.90	1.76	1.09	4.925	14.72	63.97	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Pocatello WB Airport 42° 55', 112° 36'	10	7211	0.97	1.38	3.52	4.92	7.36	8.87	11.69	9.20	6.43	4.01	1.78	1.01	4.756	13.58	61.14	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
<b>ILLINOIS</b>																			
Chicago WB Airport 41° 46', 87° 45'	11	1577	1.09	1.37	2.68	4.56	6.90	8.21	8.16	6.95	5.11	3.83	1.97	1.19	39.16	12.86	52.02	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Moline WSO 41° 26', 90° 31'	11	5751	0.88	1.17	2.46	4.38	6.34	7.20	7.45	6.19	4.35	3.36	1.72	1.07	34.90	11.67	46.58	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Peoria WSO 40° 40', 89° 40'	11	6711	0.91	1.26	2.49	4.32	6.40	7.48	7.49	6.43	4.77	3.54	1.80	0.97	36.11	11.95	48.06	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Rockford WSO 42° 11', 89° 6'	11	7382	0.79	1.08	2.33	4.12	5.93	7.07	7.13	6.23	4.40	3.30	1.61	0.83	34.05	10.78	44.88	1/59	12/70
			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
Springfield WSO 39° 49', 89° 40'	11	8179	1.09	1.38	2.72	4.88	7.40	7.99	8.05	6.62	5.39	3.88	2.12	1.18	39.34	13.36	52.70	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
<b>INDIANA</b>																			
Evansville WSO 38° 3', 87° 31'	12	2738	1.29	1.68	3.02	5.09	6.73	7.56	7.72	6.88	5.11	3.72	2.05	1.32	37.78	14.45	52.29	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Fort Wayne WSO 41° 0', 85° 11'	12	3037	0.86	1.17	2.23	4.03	6.27	7.45	7.51	6.50	4.64	3.25	1.60	0.90	35.61	10.78	46.39	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Indianapolis WSO 39° 43', 86° 16'	12	4259	1.06	1.35	2.49	4.32	6.06	7.13	6.99	6.28	4.71	3.39	1.73	1.09	34.57	12.04	46.61	1/56	12/70
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		

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\*\*\* Sum of monthly means.

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TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct.***	Nov-Apr.***	Annual***	Record Begun Mo/Yr	Last Data Mo/Yr
<u>INDIANA (continued)</u>																			
South Bend WB Airport 41° 41', 86° 19'	12	8187	0.83	1.00	2.08	3.80	5.63	6.73	6.64	5.93	4.26	3.17	1.61	0.88	32.35	10.20	42.56	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
<u>LOUISIANA</u>																			
Burlington FAA Airport 40° 46', 91° 7'	13	1063	1.00	1.35	2.66	4.63	6.27	6.43	6.59	5.72	4.44	3.67	1.93	1.05	33.18	12.84	46.25	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Des Moines WSO 41° 31', 93° 38'	13	2203	0.82	1.11	2.47	4.56	6.61	7.74	8.14	6.77	4.55	3.77	1.81	1.04	37.57	11.81	49.38	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Sioux City WSO 42° 23', 96° 22'	13	7708	0.78	1.00	2.28	4.63	6.35	7.24	7.35	6.04	4.14	3.51	1.67	0.93	36.63	11.24	46.03	1/56	12/70
			14	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Waterloo WSO 42° 33', 92° 23'	13	8706	0.68	0.89	1.89	4.10	5.94	6.80	6.97	5.95	4.07	3.19	1.55	0.71	32.92	9.86	42.85	3/60	12/70
			10	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
<u>KANSAS</u>																			
Concordia WSO 39° 33', 97° 38'	14	1767	1.24	1.64	3.37	5.29	6.65	8.29	9.39	8.45	5.49	4.26	2.20	1.52	42.56	15.27	57.90	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Dodge City WSO 37° 46', 99° 58'	14	2164	2.11	2.45	4.45	6.91	8.18	10.41	11.18	10.37	7.32	5.63	3.09	2.23	53.69	21.24	74.93	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Goodland WSO 39° 22', 101° 41'	14	3153	1.96	2.15	3.57	5.95	7.81	9.74	10.57	9.63	6.81	5.16	2.79	2.03	49.71	18.47	68.17	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Topeka WSO 39° 4', 95° 37'	14	8167	1.32	1.73	3.36	5.01	6.64	6.94	7.89	7.32	4.92	3.81	2.14	1.41	37.52	14.97	52.50	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Wichita WSO 37° 38', 97° 25'	14	8830	1.66	2.10	4.14	5.88	7.50	8.75	9.66	9.17	6.00	4.69	2.63	1.98	45.77	18.40	64.16	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		

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TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

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<b>KENTUCKY</b>																			
Lexington WB Airport 38° 1', 84° 36'	15	4746	1.31	1.51	2.97	4.64	5.90	6.58	6.67	6.46	5.16	3.84	2.15	1.39	34.61	13.96	48.57	1/56	12/70
Louisville WSO 38° 10', 85° 43'	15	4954	1.34	1.51	3.14	5.11	6.57	7.05	7.30	6.84	4.96	3.54	2.14	1.62	36.26	14.87	51.13	1/56	12/70
<b>LOUISIANA</b>																			
Alexandria WB Airport 31° 23', 92° 18'	16	104	1.84	2.41	3.76	4.83	6.14	6.57	6.16	5.25	4.23	2.75	1.82	34.88	17.44	52.00	2/60	12/70	
Baton Rouge WB Airport 30° 31', 91° 8'	16	549	2.60	3.08	4.70	5.51	6.83	7.13	6.73	6.29	5.66	4.93	3.30	2.57	37.58	21.76	59.34	1/56	12/70
Lake Charles WB Airport 30° 7', 93° 13'	16	5078	2.29	2.71	4.33	5.58	7.30	7.63	7.43	6.73	5.77	4.77	3.25	2.33	39.64	20.49	60.13	1/56	12/70
New Orleans WB Moisant 29° 58', 90° 15'	16	6660	2.47	2.97	4.42	5.42	6.86	6.92	6.56	6.14	5.56	4.91	3.22	2.52	36.94	21.02	57.96	1/56	12/70
Shreveport WB Airport 32° 28', 93° 49'	16	8440	2.46	2.86	4.59	5.71	7.48	8.07	8.83	8.21	6.15	4.87	3.04	2.28	43.61	20.94	64.55	1/56	12/70
<b>MAINE</b>																			
Portland WSMR 19' 43° 38', 70° 19'	17	6905	0.91	1.03	1.99	3.10	4.76	5.35	5.70	4.98	3.31	2.29	1.19	0.89	26.39	9.12	35.53	1/56	12/70
<b>MARYLAND</b>																			
Baltimore WSO 40' 39° 10', 76° 40'	18	465	1.63	1.94	3.30	4.88	6.27	7.21	7.57	6.70	4.92	3.56	2.41	1.68	36.24	15.82	52.07	1/56	12/70

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MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May--Oct***	Nov-Apr***	Annual****	Last Began Mo/Yr
<u>MASSACHUSETTS</u>																		
Boston WSO 42° 22', 71° 1'	19	770	1.77	1.89	2.98	4.43	6.32	6.80	7.26	6.44	4.56	3.61	2.33	1.84	34.89	15.24	50.09	1/56 12/70
Nantucket FAA Airport 41° 15', 70° 4'	19	5159	1.49	1.73	2.35	3.33	4.56	5.03	5.06	4.31	3.25	2.65	1.88	1.56	24.92	12.29	37.21	1/56 7/69
Worcester WSO 42° 16', 71° 52' *	19	9923	1.25	1.40	2.40	4.01	5.40	5.62	5.91	5.28	3.89	3.03	1.80	1.26	29.12	12.10	40.96	1/57 12/70
<u>MICHIGAN</u>																		
Alpena WSO 45° 4', 83° 34'	20	164	0.59	0.76	1.55	2.91	4.65	5.63	6.31	4.88	2.94	1.85	1.05	0.61	26.27	7.37	33.66	5/56 12/70
Detroit City WB Airport 42° 25', 83° 1'	20	2102	1.02	1.12	2.07	3.72	5.51	6.92	7.18	6.01	4.26	3.15	1.80	1.03	33.03	10.77	43.80	1/56 12/65
Detroit WSO MET 42° 13', 83° 19'	20	2103	0.87	1.21	2.16	3.69	5.43	6.54	6.85	5.90	4.17	3.07	1.62	1.00	31.96	10.55	42.50	1/60 12/70
Detroit WB Willow Run Airport 42° 13', 83° 31'	20	2104	0.89	1.09	2.16	3.66	5.70	6.66	7.11	5.91	4.42	3.19	1.77	0.95	33.00	10.5	43.52	1/56 12/65
Flint WSO 42° 58', 83° 43'	20	2846	0.76	0.96	1.94	3.58	5.00	5.92	6.26	5.41	3.65	2.75	1.46	0.87	29.00	9.57	38.57	1/56 12/70
Grand Rapids WB Airport 42° 52', 85° 31'	20	3333	0.66	0.89	1.92	3.72	5.88	7.08	7.23	6.13	4.03	2.66	1.36	0.74	33.00	9.29	42.29	1/56 12/70
Lansing WSO 42° 46', 84° 36'	20	4641	0.71	0.98	2.02	3.75	5.75	6.68	6.96	5.81	3.81	2.61	1.38	0.72	31.63	9.56	41.19	1/60 12/70
Muskegon WSO 43° 10', 86° 13'	20	5712	0.80	0.93	2.01	3.81	5.73	6.74	7.11	6.06	4.00	2.94	1.66	0.94	32.59	10.21	42.80	4/59 12/70

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual****	Record Begun Mo/Yr	Last Data Mo/Yr
<b>MICHIGAN (continued)</b>																		
Sault Sainte Marie WB Airport	20	7366	0.41	0.57	1.36	2.74	4.65	5.43	5.85	4.74	2.62	1.74	0.83	0.47	25.03	6.34	31.21	1/56 12/70
46° 28', 84° 22'		14	14	15	15	15	15	16	12	12	14	22	33	5	8	5		
25	24	10	17	13	16	12	12	14	22									
<b>MINNESOTA</b>																		
Duluth WSO	21	2248	0.32	0.69	1.59	3.16	5.05	5.59	6.47	5.25	3.08	2.31	1.01	0.51	27.74	7.48	35.22	1/56 12/70
46° 49', 92° 10'		15	15	15	15	15	15	15	15	15	15	15	15	15				
18	18	19	19	13	17	12	12	18	13	24	20	25	6	8	5			
International Falls WSO	21	4026	0.36	0.57	1.39	3.14	5.12	5.82	6.20	4.96	2.92	2.17	0.75	0.34	27.18	6.63	33.61	1/56 11/70
48° 34', 93° 22'		15	15	15	15	15	15	15	15	15	15	15	15	14				
37	18	19	12	12	13	11	12	14	25	26	43	5	10	3				
Minneapolis WSO	21	5435	0.67	0.90	2.03	4.11	6.10	7.25	7.88	6.52	4.01	2.92	1.28	0.73	34.67	9.67	44.15	1/56 12/70
44° 52', 93° 13'		14	15	15	15	15	15	15	15	15	15	15	15	15				
23	26	35	18	17	13	16	10	17	20	20	25	7	17	7				
Rochester WSO	21	7004	0.69	0.88	1.73	3.89	5.81	6.77	7.02	5.83	4.03	3.30	1.40	0.71	32.77	9.29	42.06	1/56 12/70
43° 55', 92° 30'		15	15	15	15	15	15	15	15	15	15	15	15	15				
38	37	16	11	12	12	12	10	18	23	24	5	14	5					
<b>MISSISSIPPI</b>																		
Jackson WB Airport	22	4472	1.90	2.36	4.02	5.58	6.95	7.38	7.49	6.85	5.44	3.94	2.62	1.96	37.34	18.37	55.70	1/56 12/70
32° 19', 90° 4'		15	15	15	15	15	14	15	15	15	14	14	14	15				
23	10	18	8	8	12	12	11	11	14	12	8	17	5	7	5			
Meridian WB Airport	22	5776	1.91	2.57	4.13	5.45	6.52	7.00	6.68	5.97	5.23	4.22	2.78	1.99	35.71	18.81	54.52	9/59 12/70
32° 19', 88° 45'		11	11	11	11	11	11	11	11	11	12	12	12	12				
16	11	16	6	11	11	12	11	12	11	10	12	7	6	6	5	5		
<b>MISSOURI</b>																		
Columbia WSO	23	1790	1.36	1.67	3.16	5.29	6.91	7.33	8.22	7.55	5.41	4.19	2.35	1.46	39.62	15.28	54.89	1/56 12/70
38° 49', 92° 13'		15	15	15	15	15	15	15	15	15	15	15	15	15				
29	14	25	18	12	12	12	12	12	11	11	18	20	17	19				
Kansas City WSO	23	4359	1.37	1.83	3.47	5.45	7.34	7.94	8.84	8.09	5.69	4.47	2.39	1.56	42.36	16.07	58.43	1/56 12/70
39° 7', 94° 36'		15	15	15	15	15	15	15	15	15	15	15	15	15				
32	20	26	12	16	13	13	14	12	20	24	25	20	10	12	10	12	8	

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May--Oct***	Nov-Apr***	Annual***	Nov-Apr***	Annual***	Last Data Mo/Yr
<b>MISSOURI (continued)</b>																				
St Louis WSO 38° 45', 90° 22'	23	7455	1.36	1.77	3.27	5.24	6.81	7.61	7.98	7.08	5.35	4.00	2.27	1.44	38.83	15.35	54.18	1/56	12/70	
Springfield WSO 37° 13', 93° 22'	23	7976	1.68	1.98	3.50	5.35	6.46	7.73	7.69	7.56	5.31	4.13	2.44	1.67	37.89	16.63	54.51	1/56	12/70	
<b>MONTANA</b>																				
Billings WB Airport 45° 48', 108° 31'	24	807	1.50	1.96	3.03	4.35	6.36	7.48	10.21	9.02	5.79	4.29	2.32	1.90	43.14	15.06	58.19	1/56	12/70	
Great Falls WB Airport 47° 28', 111° 21'	24	3751	1.50	1.76	2.81	4.30	6.35	7.64	10.19	8.95	5.78	4.29	2.37	1.83	43.20	14.63	57.42	1/56	12/70	
Helena WB Airport 46° 36', 112° 0'	24	4055	0.84	1.23	2.24	3.77	5.87	6.81	9.39	7.88	4.64	2.95	1.41	0.96	37.54	10.44	47.99	1/56	12/70	
Missoula WB Airport 46° 55', 114° 4'	24	5745	0.44	0.78	1.84	3.48	5.31	6.10	9.21	7.37	4.04	1.86	0.79	0.46	33.89	7.80	41.68	1/56	12/70	
<b>NEBRASKA</b>																				
Grand Island WSO 40° 58', 98° 19'	25	3395	1.16	1.49	2.95	5.35	7.05	8.49	9.19	8.28	5.53	4.45	2.19	1.75	42.98	14.89	57.88	1/56	12/70	
North Platte WSO 41° 7', 100° 40'	25	6065	1.18	1.42	2.84	5.02	6.56	8.01	8.45	7.85	5.27	3.83	2.02	1.37	39.97	13.85	53.82	1/56	12/70	
Omaha WSO 41° 18', 95° 53'	25	6255	1.06	1.43	3.04	5.26	7.04	8.21	8.63	7.26	4.68	3.82	2.01	1.27	39.64	14.06	53.70	1/56	12/70	
Scotts Bluff WSO 41° 52', 103° 36'	25	7665	1.51	1.89	3.14	5.10	6.95	8.46	9.77	8.60	6.04	4.32	2.38	1.59	44.14	15.62	59.75	1/56	12/70	

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct***	Nov- Apr***	Annual****	Record Mo/Yr	Last Data Mo/Yr
<u>NEVADA</u>																		
Eliko FAA Airport 40° 49', 115° 46'	26	2573	0.92	1.38	2.68	4.15	6.26	8.00	10.49	8.93	6.16	3.90	1.80	0.99	43.20	12.04	55.39	1/56 12/70
Elko WB Airport 39° 16', 114° 51'	26	2631	1.52	1.76	3.34	4.82	7.46	9.31	11.14	9.72	7.13	4.63	2.33	1.66	49.39	15.64	65.05	1/56 12/70
Las Vegas WB Airport 36° 4', 115° 10'	26	4436	3.67	4.55	7.81	10.67	14.72	16.92	17.32	15.49	12.02	8.22	4.62	3.39	84.69	34.72	119.41	1/56 12/70
Reno WB Airport 39° 30', 119° 46'	26	6779	1.56	2.04	3.61	5.08	6.98	8.54	9.89	8.64	5.81	3.86	2.00	1.35	43.72	15.65	59.38	1/56 12/70
Winnemucca WB Airport 40° 53', 117° 48'	26	9171	1.16	1.61	2.92	4.39	6.67	8.95	11.61	9.75	6.57	3.89	1.93	1.08	47.27	12.95	60.38	1/56 12/70
<u>NEW HAMPSHIRE</u>																		
Concord WSO 43° 11', 71° 30'	27	1683	0.78	0.95	1.88	3.15	4.82	5.23	5.57	4.83	3.07	2.21	1.14	0.82	25.73	8.72	34.44	1/56 12/70
<u>NEW JERSEY</u>																		
Atlantic City WSO 39° 26', 74° 34'	28	311	1.58	1.78	2.99	4.52	6.00	6.67	6.82	6.00	4.54	3.22	2.21	1.56	33.24	14.65	47.77	1/59 12/70
Newark WSO 40° 41', 74° 10'	28	6026	1.65	1.84	3.15	4.51	5.89	6.72	6.89	6.36	4.92	3.71	2.39	1.64	34.51	15.18	49.69	1/56 12/70
<u>NEW MEXICO</u>																		
Albuquerque WB Airport 35° 3', 106° 37'	29	234	2.47	3.31	5.70	8.73	11.80	13.46	12.50	10.78	8.52	6.07	3.36	2.38	63.14	25.96	89.10	1/56 12/70

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Last Begun Data Mo/Yr		
<u>NEW MEXICO (continued)</u>																				
Roswell WSO 33° 18', 104° 31'	29	7609	2.85	4	6	8	9	9	12	13	11	10	8	6	4	3	60	28	88	1/56 12/68
			10	8	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
<u>NEW YORK</u>																				
Albany WSO 42° 45', 73° 48'	30	42	0.72	1.01	2.00	3.77	5.00	5.84	6.37	5.39	3.55	2.54	1.41	0.78	28.70	9.69	38.40	1/56	12/70	
Binghamton WSO 42° 13', 75° 58'	30	687	0.70	0.84	1.68	3.32	4.85	5.79	5.92	5.13	3.54	2.42	1.29	0.72	27.64	8.56	36.20	1/56	12/70	
Buffalo WSO 42° 55', 78° 43'	30	1012	0.97	0.98	1.75	3.35	5.07	6.50	6.93	5.72	4.07	2.74	1.51	1.01	31.02	9.65	40.89	1/56	12/70	
New York WB LaGuardia Airport 40° 46', 73° 52'	30	5811	1.98	2.15	3.32	4.69	6.35	7.25	7.64	6.73	5.50	4.18	2.82	1.95	37.64	16.91	54.55	1/56	12/70	
Rochester WSO 43° 7', 77° 40'	30	7167	0.91	0.94	1.79	3.50	5.21	6.56	6.78	5.69	3.79	2.68	1.45	0.94	30.71	9.53	40.24	1/56	12/70	
Syracuse WSO 43° 7', 76° 7'	30	8383	0.79	0.95	1.77	3.48	4.96	6.15	6.58	5.60	3.76	2.54	1.52	0.89	29.58	9.39	38.97	1/56	12/70	
<u>NORTH CAROLINA</u>																				
Cape Hatteras WSO 35° 16', 75° 33'	31	1458	2.12	2.42	3.69	5.44	6.69	7.07	7.59	6.57	5.64	4.05	2.91	2.26	37.61	18.85	56.45	1/56	12/70	
Charlotte WSO 35° 13', 80° 55'	31	1690	1.95	2.44	4.07	6.04	7.16	7.63	7.64	7.06	5.45	3.87	2.70	2.07	38.81	19.27	58.08	1/56	12/70	
Greensboro WSO 36° 4', 79° 49'	31	3630	1.32	2.21	3.95	5.25	6.41	6.72	6.69	6.21	4.64	3.49	2.47	1.86	34.16	17.56	51.72	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	11	12	3	6	3	

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Begun No./Yr.	
<u>NORTH CAROLINA (continued)</u>																		
Raleigh Durham WB Airport 35° 52', 78° 46'	31	7069	2.01	2.44	4.07	5.81	6.38	6.87	6.89	6.25	4.88	3.56	2.71	34.90	19.18	54.29	1/56 12/70	
Wilmington WSO 34° 16', 77° 55'	31	9457	2.10	2.64	4.21	6.35	7.31	7.24	7.53	6.40	5.34	4.00	2.86	2.39	37.81	20.55	58.35	1/56 12/70
Winston-Salem WB Airport 36° 7', 80° 13'	31	9539	2.14	2.44	4	6	7	7	6	5	4	3	2	36	20	56	1/56 2/65	
<u>NORTH DAKOTA</u>																		
Bismarck WSO 46° 46', 100° 45'	32	819	0.55	0.71	1.95	4.07	6.49	7.28	8.68	8.11	4.82	3.27	1.33	0.68	38.65	9.37	47.48	1/56 12/70
Fargo WSO 46° 53', 96° 48'	32	2859	0.50	0.68	1.63	3.64	5.91	6.54	7.77	7.08	4.21	2.92	1.13	0.56	34.42	8.28	43.39	2/56 12/70
Williston WSO 48° 10', 103° 37'	32	9425	0	1	1.53	3.56	6.19	6.93	9	7.72	5	3	1	1	38	8	46	1/56 12/70
<u>OHIO</u>																		
Akron Canton WSO 40° 55', 81° 25'	33	58	0.95	1.12	2.10	3.70	5.09	5.99	6.10	5.63	4.19	3.27	1.81	1.00	30.28	10.67	40.94	1/56 12/70
Cleveland WSO 41° 23', 81° 51'	33	1657	1.02	1.16	2.15	3.89	5.86	6.84	6.83	5.89	4.24	3.12	1.87	1.20	32.78	11.29	44.07	1/56 12/70
Columbus WSO 40° 0', 82° 52'	33	1786	1.06	1.23	2.55	3.92	5.73	6.59	6.79	5.90	4.10	3.01	1.71	1.08	32.13	11.56	43.69	1/56 12/70
Dayton WSO 39° 53', 84° 13'	33	2075	1.14	1.38	2.58	4.35	6.34	7.58	7.46	6.81	5.04	3.54	1.90	1.22	36.77	12.56	49.34	1/56 12/70

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TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL  
MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Begin Mo/Yr	Last Data Mo/Yr
<u>OHIO (continued)</u>																			
Toledo WB Airport 41° 36', 83° 48'	33	8357	0.81	1.09	2.13	3.66	5.86	6.63	6.83	5.84	4.09	2.94	1.51	0.83	32.20	10.03	42.23	1/56	12/70
Youngstown WSO 41° 16', 80° 40'	33	9406	0.84	1.00	2.06	3.58	4.97	5.89	5.88	5.29	3.88	3.02	1.72	0.92	28.93	10.11	39.04	1/56	12/70
<u>OKLAHOMA</u>																			
Oklahoma City WSO 35° 23', 97° 36'	34	6661	2.00	2.54	4.47	6.33	7.37	8.61	10.06	9.62	6.36	5.01	3.15	2.30	47.03	20.78	67.81	1/56	12/70
Tulsa WSO 36° 10', 95° 53'	34	8992	1.91	2.34	4.05	5.89	6.76	7.79	9.09	8.37	5.94	4.70	2.97	2.10	42.65	19.25	61.90	1/56	12/70
<u>OREGON</u>																			
Astoria WB Airport 46° 8', 123° 52'	35	328	0.95	1.24	1.83	2.53	3.73	4.10	4.81	4.02	2.82	1.58	1.03	0.96	21.07	8.54	29.61	1/56	12/70
Medford WB Airport 42° 22', 122° 52'	35	5429	0.73	1.30	2.62	4.08	5.93	7.99	10.28	8.77	5.87	2.75	0.99	0.57	41.59	10.30	51.89	1/56	12/70
Pendleton WB Airport 45° 40', 118° 51'	35	6546	1.13	1.68	3.16	4.72	6.73	9.31	11.88	9.92	6.74	3.53	1.62	1.09	43.10	13.39	61.50	1/56	12/70
Portland WB Airport 45° 36', 122° 36'	35	6751	1.07	1.47	2.23	3.06	4.65	5.77	7.45	6.12	3.89	2.05	1.25	0.89	30.23	9.97	40.30	1/56	12/70
Salem WB Airport 44° 55', 123° 1'	35	7500	0.93	1.24	2.09	2.90	4.10	5.44	7.41	6.17	4.20	2.13	1.09	0.79	29.46	9.04	38.50	1/56	12/70

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Begun Mo/Yr	Last Data Mo/Yr
<u>PENNSYLVANIA</u>																			
Allentown WSO 40° 38', 75° 25'	36	106	1.29	1.47	2.60	4.01	5.16	6.02	6.05	5.37	3.91	2.90	1.78	1.16	29.42	12.31	41.73	1/56	12/70
Erie WSO 42° 4', 80° 11'	36	2682	1.09	1.02	1.96	3.62	5.11	6.34	6.58	5.79	4.31	3.48	2.03	1.32	31.61	11.09	42.82	2/60	12/70
Harrisburg FAA Airport 40° 13', 76° 51'	36	3699	1.40	1.72	2.92	4.66	6.16	6.94	7.51	6.41	4.39	3.05	1.95	1.41	34.46	14.06	48.52	1/56	12/70
Philadelphia WSO 39° 52', 75° 13'	36	6889	1.47	1.78	3.00	4.67	6.19	7.08	7.13	6.44	4.74	3.35	2.18	1.56	34.93	14.67	49.60	1/56	12/70
Pittsburgh WSO 40° 30', 80° 13'	36	6993	1.09	1.26	2.42	4.07	5.58	6.43	6.74	5.91	4.29	3.17	1.87	1.15	32.11	11.82	43.62	1/56	12/70
Scranton WSO 41° 19', 75° 43'	36	7905	0.94	1.13	2.12	3.87	5.41	6.10	6.22	5.45	3.71	2.60	1.52	0.98	29.49	10.55	40.04	1/56	12/70
Williamsport WSO 41° 15', 76° 55'	36	9728	1.12	1.27	2.21	3.76	4.82	5.49	5.54	4.73	3.45	2.54	1.56	1.07	26.55	10.98	37.53	10/59	12/70
<u>RHODE ISLAND</u>																			
Providence WSO 41° 43', 71° 25'	37	6698	1.49	1.66	2.83	4.35	5.75	6.17	6.51	5.77	4.16	3.09	2.05	1.51	31.45	13.88	45.33	1/56	12/70
<u>SOUTH CAROLINA</u>																			
Charleston WSO 32° 53', 80° 1'	38	1544	2.46	3.11	4.68	6.28	7.32	7.13	7.28	6.53	5.26	4.22	3.12	2.66	37.61	22.31	59.94	1/56	12/70
Columbia WSO 33° 56', 81° 7'	38	1939	2.01	2.53	4.45	6.47	7.21	7.51	7.67	6.99	5.55	3.92	2.82	2.23	38.85	20.52	59.37	1/56	12/70

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

State No.	Station Index No.**	Record Begun No./Yr																
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Last Data No./Yr	
<b>SOUTH CAROLINA (continued)</b>																		
Greenville Spartaburg 34° 53', 82° 13'	38	3747	2.09	2.56	4.33	6.01	6.88	6.92	7.08	6.67	5.06	3.93	2.92	2.17	36.56	20.07	56.53	1/56 12/70
<b>SOUTH DAKOTA</b>																		
Huron WSO 44° 22', 98° 13'	39	4127	0.69	0.83	2.15	4.45	6.26	7.68	8.89	7.68	4.96	3.52	1.60	0.94	38.99	10.62	49.90	1/56 12/70
Rapid City WSO 44° 3', 103° 4'	39	6937	1.31	1.49	2.80	4.69	6.51	7.67	9.27	9.15	6.26	4.55	2.26	1.49	43.42	14.16	57.75	1/56 12/70
Sioux Falls WSO 43° 34', 96° 43'	39	7667	0.78	1.00	2.23	4.45	6.50	7.76	8.49	7.35	4.80	3.63	1.69	0.93	38.53	11.09	49.62	1/56 12/70
<b>TENNESSEE</b>																		
Bristol WB Airport 36° 28', 82° 23'	40	1094	1.37	1.77	3.19	4.48	5.32	5.73	5.68	5.37	4.64	3.60	2.07	1.45	30.34	14.36	44.70	11/59 12/70
Chattanooga WB Airport 35° 1', 85° 11'	40	1656	1.48	1.98	3.56	5.29	6.41	6.52	6.68	6.17	4.87	3.33	2.10	1.54	33.99	15.95	49.94	1/56 12/70
Knoxville WB Airport 35° 49', 83° 58'	40	4950	1.45	1.94	3.62	5.37	6.65	6.61	6.71	6.26	4.95	3.41	2.11	1.56	34.57	16.04	50.61	1/56 12/70
Memphis WB Airport 35° 3', 89° 58'	40	5954	1.90	2.26	4.14	6.28	7.76	7.99	8.31	7.62	5.82	4.47	2.79	2.03	41.97	19.40	61.37	1/56 12/70
Nashville WB Airport 36° 7', 86° 40'	40	6402	1.50	1.87	3.45	5.43	6.78	7.31	7.52	6.87	5.14	3.72	2.14	1.67	37.34	16.07	53.41	1/56 12/70

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual****	Record Begun Mo/Yr	Last Data Mo/Yr
<b>TEXAS</b>																			
Abilene WSO 32° 25', 99° 40'	41	16	3.32	3.45	6.04	7.80	9.61	10.83	11.74	10.78	7.39	5.95	4.03	3.27	56.30	27.91	84.21	1/56	12/70
Amarillo WSO 35° 13', 101° 41'	41	211	2.99	3.22	5.65	8.26	10.77	11.27	11.54	10.30	7.67	6.51	3.91	3.14	58.06	27.17	85.23	1/56	12/70
Austin WB Airport 30° 18', 97° 41'	41	428	2.78	3.26	5.20	5.99	7.67	9.12	10.60	9.68	7.00	5.35	3.57	2.78	49.42	23.58	73.00	1/56	12/70
Brownsville WB Airport 25° 53', 97° 25'	41	1136	3.10	3.54	5.60	7.01	8.37	9.37	10.30	9.01	6.89	5.57	4.11	3.23	49.51	26.60	76.11	1/56	12/70
Corpus Christi WB Airport 27° 46', 97° 30'	41	2015	2.82	3.35	5.37	6.38	7.35	8.91	10.11	9.24	6.98	5.76	4.01	3.13	48.63	25.06	73.54	1/56	12/70
Dallas WSO 32° 51', 96° 51'	41	2244	2.72	3.13	5.24	6.56	8.10	9.72	11.31	10.34	7.23	5.61	3.74	3.07	52.30	24.45	76.76	1/56	12/70
E1 Paso WB Airport 31° 48', 106° 23'	41	2797	3.86	5.02	8.23	11.51	14.25	14.83	13.22	11.82	9.23	7.16	4.56	3.52	70.52	36.70	107.22	1/56	12/70
Fort Worth WSO 32° 49', 97° 3'	41	3283	2.66	3.12	5.13	6.39	7.80	10.05	11.30	10.53	7.16	5.36	3.58	2.82	52.57	23.69	76.50	1/56	12/70
Houston WB City 29° 46', 95° 22'	41	4305	2.91	3.39	5.03	5.85	7.39	8.38	8.64	7.81	6.50	5.38	3.60	2.84	44.09	23.61	67.38	1/56	12/70
Lubbock WB Airport 33° 38', 101° 49'	41	5411	3.19	3.54	5.67	8.46	10.24	11.02	10.89	9.64	7.33	6.08	4.00	3.12	55.21	27.89	83.15	1/56	12/70
Midland WSO 31° 56', 102° 10'	41	5890	3.48	3.93	6.75	9.17	11.24	11.79	11.92	11.04	7.90	6.33	4.22	3.42	60.11	30.97	91.12	1/56	12/70

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May--Oct***	Nov-Apr****	Annual***	Record Begun Mo/Yr	Last Data Mo/Yr
<b>TEXAS (continued)</b>																			
Port Arthur WB Airport 29° 58', 94° 1'	41	7174	2.24	2.81	4.34	5.31	7.18	8.21	8.04	7.29	6.09	4.92	3.30	2.37	41.74	20.36	62.10	1/56	12/70
San Angelo WSO 31° 21', 100° 30'	41	7943	3.49	3.91	6.75	8.35	9.62	10.79	11.91	11.13	7.77	6.06	4.57	3.37	57.27	30.43	87.70	1/56	12/70
San Antonio WSO 29° 31', 98° 28'	41	7945	2.96	3.55	5.55	6.29	7.80	9.72	10.94	10.16	7.38	5.44	3.74	2.98	51.43	25.07	76.50	1/56	12/70
Victoria WB Airport 28° 51', 96° 55'	41	9364	3.07	3.41	5.03	5.93	7.12	8.11	9.02	8.52	6.66	5.35	3.90	3.18	44.64	24.33	68.98	1/56	12/70
Waco WB Airport 31° 37', 97° 13'	41	9419	2.88	3.29	5.41	6.45	7.74	9.90	11.31	10.63	7.51	6.14	3.94	3.00	53.23	24.96	78.19	1/56	12/70
Wichita Falls WSO 33° 58', 98° 28'	41	9729	2.60	3.17	5.32	7.00	8.22	9.90	11.48	11.05	7.53	5.64	3.86	2.82	53.81	24.77	78.58	1/56	12/70
<b>UTAH</b>																			
Salt Lake City WB Airport 40° 46', 111° 58'	42	7598	1.14	1.72	3.54	5.37	8.60	10.56	13.35	11.21	7.62	4.53	2.00	1.01	55.87	14.78	70.65	1/56	12/70
<b>VERMONT</b>																			
Burlington WSO 44° 28', 73° 8'	43	1081	0.68	0.90	1.62	3.06	4.56	5.65	5.96	5.17	3.15	2.20	1.21	0.73	26.69	8.21	35.02	1/56	12/70
<b>VIRGINIA</b>																			
Lynchburg WSO 37° 19', 79° 11'	44	5120	1.71	1.81	3.15	5.12	6.00	6.70	6.35	5.65	4.47	3.01	2.52	1.63	32.19	15.66	47.97	1/56	10/67

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL  
MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	Station No.	State Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct***	Nov- Apr***	Annual***	Began Mo/Yr	Last Data Mo/Yr
<b>VIRGINIA (continued)</b>																			
Norfolk WSO 36° 52', 76° 11'	44	6139	2.05	2.31	3.96	5.78	6.90	7.52	7.47	6.41	5.18	3.70	2.77	2.20	37.19	19.07	56.25	1/56	12/70
Richmond WSO 37° 30', 77° 19'	44	7201	1.66	2.03	3.51	5.36	6.64	7.12	7.06	6.11	4.58	3.24	2.45	1.73	34.75	16.75	51.50	1/56	12/70
Roanoke WSO 37° 19', 79° 58'	44	7285	2.09	2.40	3.95	5.34	6.27	6.60	6.73	6.20	4.71	3.81	2.74	2.04	34.32	18.57	52.89	1/56	12/70
Sterling R&D 38° 58', 77° 28'	44	8084	1.45	1.84	3.35	4.67	5.77	6.57	6.82	6.23	4.50	3.17	2.18	1.51	33.06	15.01	48.06	1/61	12/70
<b>WASHINGTON</b>																			
Olympia WB Airport 46° 58' 122° 53'	45	6114	0.64	1.20	1.87	2.75	4.01	4.63	5.84	4.92	3.11	1.50	0.76	0.51	23.99	7.73	31.73	1/56	12/70
Seattle Tacoma WB 47° 26', 122° 18'	45	7473	1.15	1.57	2.30	3.18	5.08	5.80	7.00	5.53	3.52	2.00	1.23	1.02	28.92	10.44	39.36	1/56	12/70
Spokane WB Airport 47° 37', 117° 31'	45	7938	0.61	1.11	2.28	4.04	6.28	7.82	10.66	8.63	5.37	2.58	0.92	0.51	41.36	9.47	50.83	1/56	12/70
Tacoma WB Airport 48° 22', 124° 43'	45	8332	1.62	1.56	2.06	2.50	3.24	3.37	2.97	2.49	2.25	1.83	1.59	1.21	16.07	10.59	26.66	1/56	12/66
Yakima WB Airport 46° 34', 120° 31'	45	9465	0.75	1.39	2.91	4.48	6.58	7.83	9.77	7.92	5.28	2.90	1.32	0.72	40.29	11.58	51.87	1/56	12/70
<b>WEST VIRGINIA</b>																			
Charleston WSO 38° 22', 81° 36'	46	1570	1.37	1.67	2.99	4.41	5.46	5.68	5.45	5.00	4.04	3.02	1.97	1.42	28.63	13.83	42.45	1/56	12/70

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\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION\*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Regan Mo/Yr
<b>WEST VIRGINIA (continued)</b>																		
Elkins WSO 38° 55', 79° 49'	46	2718	0.99	1.21	2.23	3.14	4.33	4	4	3	2	1	1	22	10	32	1/56	6/68
			10	10	10	11	11	11	11	10	9	9	9	9	9	9	9	
			24	25	19	14	12	10	10	10	9	9	9	9	9	9	9	
<b>WISCONSIN</b>																		
Green Bay WSO 44° 28', 88° 7'	47	3269	0.62	0.81	1.70	3.46	5.17	6.15	6.64	5.33	3.38	2.34	1.16	0.63	29.02	8.37	37.30	1/56 12/70
			14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			24	29	30	18	12	12	12	12	12	12	12	12	12	12	12	
La Crosse WSO 43° 52', 91° 15'	47	4370	0.74	1.03	1.99	4.31	6.15	6.95	7.26	6.11	3.85	3.20	1.45	0.80	33.43	10.08	43.36	1/56 9/68
			13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
			24	33	30	16	12	12	12	12	12	12	12	12	12	12	12	
Madison WSO 43° 7', 89° 19'	47	4961	0.74	1.00	1.99	3.75	5.34	6.69	6.86	5.80	3.63	2.71	1.28	0.69	31.03	9.43	40.46	1/56 12/70
			14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			27	24	25	14	25	14	25	14	8	10	13	20	14	30	6	
Milwaukee WSO 42° 56', 87° 53'	47	5479	0.85	1.09	2.01	3.82	5.57	6.70	7.25	5.96	4.04	2.88	1.55	0.90	32.39	10.22	42.62	1/56 12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			24	26	30	14	18	13	13	13	12	11	11	19	13	19	7	
<b>WYOMING</b>																		
Casper WSO 42° 55', 106° 28'	48	1570	1.85	1.92	3.03	4.73	6.92	8.76	10.64	9.85	6.65	5.18	2.38	1.82	48.01	15.73	63.74	1/56 12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			25	23	27	18	12	16	10	6	13	41	19	24	7	7	5	
Cheyenne WSO 41° 8', 104° 49'	48	1675	2.42	2.41	3.32	5.26	7.01	8.16	9.23	8.61	6.18	4.77	2.95	2.51	43.96	18.87	62.83	1/56 12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			23	23	24	19	14	18	12	10	12	20	14	18	8	7	5	
Lander WB Airport 42° 49', 108° 43'	48	5390	1.09	1.51	2.84	4.25	6.42	7.98	9.87	9.05	5.63	3.55	1.53	1.11	42.50	12.33	54.83	1/56 12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			31	24	17	13	16	18	7	7	18	22	22	22	6	6	5	
Sheridan WSO 44° 46', 106° 58'	48	8155	0.96	1.11	2.33	3.96	5.56	6.56	8.64	7.86	4.59	3.27	1.52	1.16	36.65	11.06	48.03	1/56 11/70
			15	13	15	14	14	14	14	14	14	14	14	14	14	14	14	
			41	27	23	18	20	19	11	10	20	20	20	20	20	20	20	

\* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

\*\* Climatological Data (NOAA-EDIS)

\*\*\* Sum of monthly means.

\*\*\*\* Insufficient data between 1956-70 to compute the coefficient of variation.

#### ACKNOWLEDGMENTS

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## APPENDIX A

### Example of Estimating Monthly Data for a Location with no Observed Data

In this example, steps for prorating data will be illustrated with some of the problems caused by incomplete records. The basic steps are the following:

1. Determine annual (or seasonal) values for potential (FWS) evaporation from the maps in the NOAA Technical Report NWS 33, Evaporation Atlas for the Contiguous 48 United States.
2. Locate appropriate stations which have data in the tables of this report.
3. Determine monthly fractions of annual (or seasonal) evaporation for the stations in the table by dividing the evaporation value for each month by the annual (or seasonal) value.
4. Multiply the monthly fractions just determined by the annual (or seasonal) value for the location of interest (as determined in step 1).

Suppose monthly mean potential evaporation is desired for Vaughn, New Mexico. Vaughn is located in the southwest corner of Guadelupe County.

1. From map 3 in the NOAA Technical Report NWS 33, Evaporation Atlas for the Contiguous 48 United States, the annual free water surface evaporation is found to be between the 55 and 60 inch isopleths. A linear interpolation would give approximately 58 inches. From map 2 the May-October evaporation is 41 inches.
2. The nearest stations to Vaughn having data in the table are Alamogordo Dam and Estancia. The elevation of Alamogordo Dam is between 4,000 and 4,500 feet. Vaughn is near 6,000 feet, and Estancia is 6,100 feet. There are only low hills between Estancia and Vaughn. Based on elevation and relief, Estancia would be the logical selection to prorate monthly values. However, because of the high elevation and limited period of record, Estancia has data only for the months from May to September. Because no annual (or May to October) value is listed, we cannot determine the required ratios. Santa Fe, found further north, is slightly higher and has some data for all the months of the year. It should be noted that Estancia has about 12 years of record in the tables and Santa Fe has up to 36 years in the summer and 17 years in the winter. Again, caution must be used in applying these data. It seems reasonable that those years when Santa Fe does have data in the winter are probably the milder years, and when the station lacks data it is likely that the weather was too cold and pans were frozen over during most of the winter period. If such is the case, then a true mean would be less than that indicated by the 17 years of available data.
3. To better illustrate the distribution of evaporation in this area, ratios of monthly to annual evaporation were computed for both Santa Fe and Alamogordo Dam and are shown in table A1.

**Table A1**  
**Monthly fractions of annual and seasonal evaporation at Alamogordo Dam and Santa Fe**

<u>Station</u>	<u>% of</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Alamogordo Dam	.035	.043	.078	.102	.121	.137	.130	.113	.093	.067	.045	.035	
Annual May-Oct					.182	.207	.197	.171	.140	.102			
Santa Fe	.022	.032	.058	.095	.134	.160	.142	.121	.104	.072	.037	.021	
Annual May-Oct					.183	.218	.193	.164	.142	.100			

**Table A2**

Monthly potential evaporation (FWS), in inches, at Vaughn, New Mexico, based on ratios (fraction) in table A1 and on annual and seasonal values taken from maps in NOAA Technical Report "Evaporation Atlas for the United States"

<u>Station</u>	<u>Period</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Totals of Estimated Monthly Values</u>
Alamogordo Dam	Annual May-Oct	2.9	2.5	4.5	5.9	7.0	8.0	7.5	6.6	5.4	3.9	2.6	2.0	58.8
Santa Fe	Annual May-Oct	1.3	1.9	3.4	5.5	7.8	9.3	8.2	7.0	6.0	4.2	2.2	1.2	41.0

4. Table A2 shows the monthly FWS evaporation at Vaughn resulting from multiplying the annual FWS from Atlas map 3 by monthly fractions based on the distributions at Alamogordo Dam and Santa Fe.

The evaporation estimates from table A2 are plotted in figure A1.

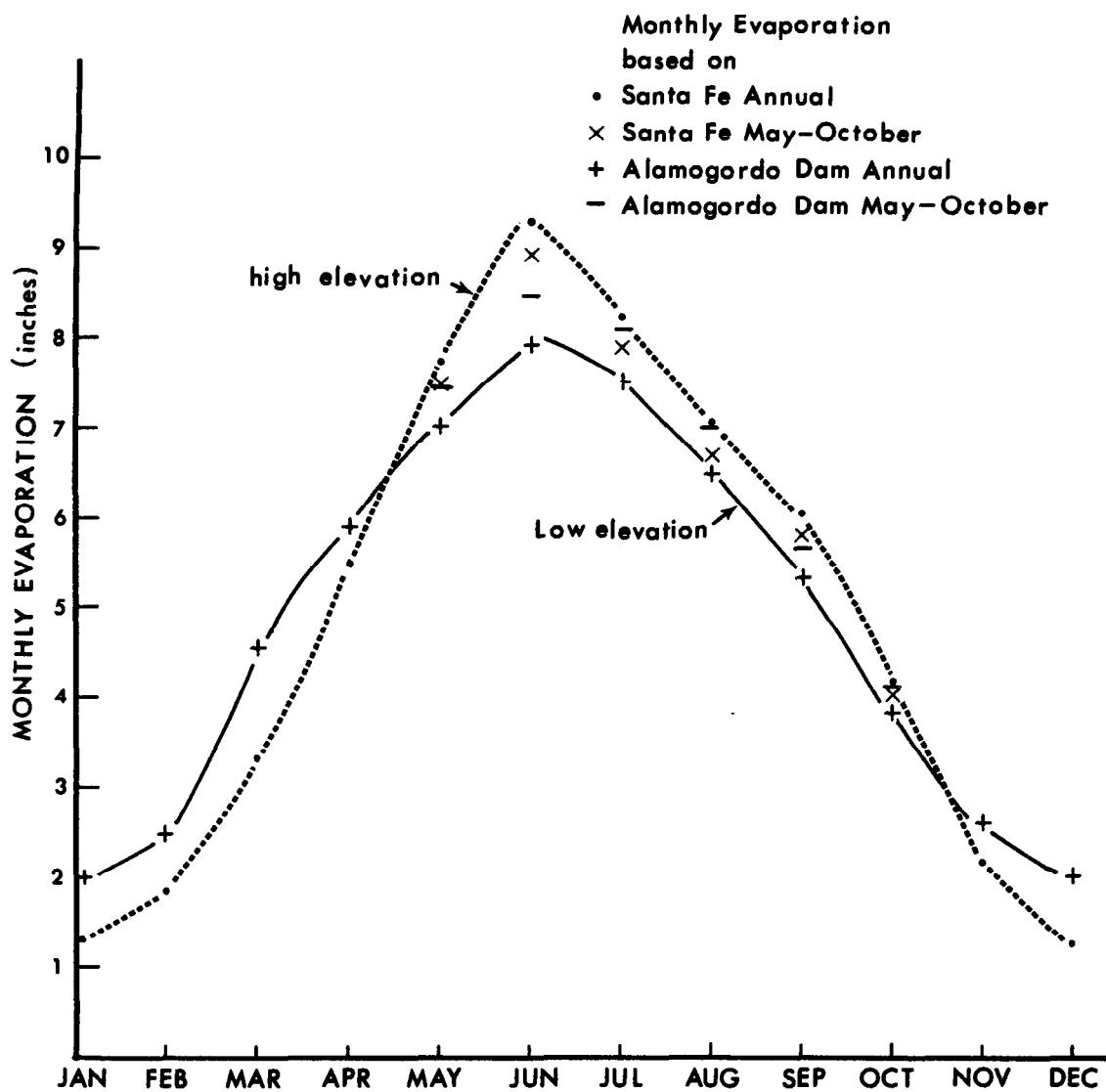


Figure A1. Monthly distribution at Vaughn, New Mexico based on evaporation distribution at Alamogordo Dam and Santa Fe.

The annual values are connected by lines. It is readily apparent that stations at higher elevations tend to have lower evaporation during the winter months and a higher fraction of the annual evaporation during the summer than do the stations at a lower elevation. Also apparent is a closer agreement of estimates based only on May-October ratios. Since Vaughn is only a little lower than Santa Fe and significantly higher than Alamogordo Dam, a reasonable decision would be to accept either the value estimated from Santa Fe or to take values from the graph between the values for the two sites but very near those for Santa Fe.

(Continued from inside front cover)

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